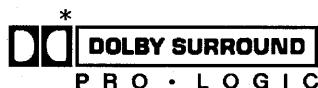


Service Manual

AV Control Stereo Receiver

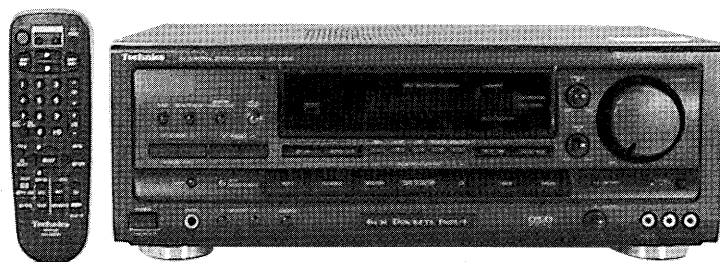
Receiver



SA-AX910

Colour

(K) ... Black Type



Area

Suffix for Model No.	Area	Colour
(P)	U.S.A.	(K)
(PC)	Canada	

* Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590; Canadian numbers 1,004,603 and 1,037,877.

"Dolby" and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

Please file and use this Service Manual together with the Service Manual for Model No. SA-AX810 (P) Order No. MD9707074C1.

Note : This Simplified Service Manual is provided to indicate the main difference between the original Model No. SA-AX810 (P) and the subsequent Model No. SA-AX910 (P/PC).

Change In Replacement Parts List

Notes: * Mentioned in this parts list is only those different from Model No. SA-AX810 (P).

* Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)

* [M] Indicates in the Remarks columns indicates parts supplied by MESA.

Ref. No.	Description	Change of Parts Number		Remarks
		SA-AX810P-K	 SA-AX910P/PC-K	
CABINET AND CHASSIS				
2	REAR PANEL	RGR0252A-E [M]	RGR0252A-C [M]	Changed (P)
2	REAR PANEL	RGR0252A-E [M]	RGR0252A-D [M]	Changed (PC)
11	FRONT CABINET ASS'Y	RFKGAAX810PK [M]	RFKGAAX910PK [M]	Changed (P/PC)
RELAYS				
RL751	RELAY (12V TV-8)	RSY0019M-0 [M]Δ	RSY0021-0 [M]Δ	Changed (PC)
PACKING MATERIALS				
P3	PACKING CASE	RPG3354 [M]	RPG3355 [M]	Changed (P/PC)

Δ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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Ref. No.	Description	Change of Parts Number		Remarks
		SA-AX810P-K	➡ SA-AX910P/PC-K	
ACCESSORIES				
A1	REMOTE CONTROL	RAK-SA925MK [M]	RAK-SA926MK [M]	Changed (P/PC)
A2	INSTR. MANUAL ASS'Y	RFKSAAX810PK [M]	RFKSAAX910PC [M]	Changed (PC)
RESISTORS				
R751	3.3M 1/2W	ERC12ZGK335D [M]⚠	ERC12UGK335D [M]⚠	Changed (PC)

■ Schematic Diagram (additional fuse caution)

FUSE CAUTION


 These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire hazard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.


 Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

■ Printed Circuit Board (part no. changes)

NOTE : The part No. of Pro Logic P.C.B., Power P.C.B. and Power Supply P.C.B. changed for (PC) area.

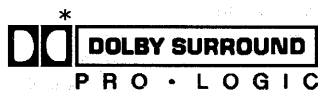
I PRO LOGIC P.C.B. (REP2443F-P) ...(PC)

J POWER P.C.B. (REP2443F-P) ...(PC)

K POWER SUPPLY P.C.B. (REP2443F-P) ...(PC)

Service Manual

AV Control Stereo Receiver



Receiver

SA-AX810

Colour

(K) Black Type



Area

Suffix for Model No.	Area	Colour
(P)	U.S.A.	(K)

* Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590; Canadian numbers 1,004,603 and 1,037,877.

"Dolby" and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

Specifications

FM Tuner Section

Frequency range	87.9 — 107.9MHz
Sensitivity	11.2dBf (2 μ V, IHF '58)
50dB quieting Sensitivity	
MONO	18.3dBf (4.5 μ V, IHF '58)
STEREO	38.3dBf (45 μ V, IHF '58)
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	75dB
STEREO	70dB
Frequency response	20Hz — 15kHz (+1dB, -2dB)
Alternate channel selectivity	65dB
Capture ratio	1dB
Image rejection at 98MHz	44dB
IF rejection at 98MHz	80dB
Spurious response rejection at 98MHz	75dB
AM suppression	50dB
Stereo separation	
1 kHz	40dB
10kHz	30dB
Carrier leak	
19kHz	-35dB
38kHz	-50dB
Antenna terminal(s)	75 Ω (unbalanced)

AM Tuner Section

Frequency range	530 — 1710kHz
Sensitivity	20 μ V, 330 μ V/m
Selectivity	55dB
Image rejection at 1000kHz	40dB
IF rejection at 1000kHz	60dB

Video Section

Output voltage at 1 V input (unbalanced)	1 $\pm$ 0.1Vp-p
Maximum input voltage	1.5Vp-p
Input/output impedance	75 Ω

Amplifier Section

Rated minimum sine wave RMS power output	
20 Hz–20 kHz both channels driven	
0.05% total harmonic distortion	120W per channel (8 Ω)
1 kHz continuous power output, both channels driven 0.05% total harmonic distortion	125W per channel (8 Ω)
Total harmonic distortion	
Rated power at 20 Hz – 20kHz	0.05% (8 Ω)
Half power at 1 kHz	0.03% (8 Ω)
Power output at the Dolby Pro Logic operation	
0.9% at 1 kHz,	
Front	2X100 W (8 Ω)
Center	100 W (8 Ω)
Surround	2X100 W (8 Ω)
Low frequency damping factor	30 (8 Ω)
Load impedance	
Front	
A or B	4–8 Ω
A and B	8 Ω
Center	8 Ω
Surround	8 Ω
Dynamic headroom	2dB (8 Ω)
SMPTE intermodulation distortion	0.3%
Frequency response	
PHONO	RIAA standard curve $\pm$ 0.8dB
CD, TAPE, TV/VCR 2, VCR 1, DVD/DSS	7Hz – 70kHz, $\pm$ 3dB
Input sensitivity	
PHONO	0.4mV (3mV, IHF '66)
CD, TAPE, TV/VCR 2, VCR 1, DVD/DSS	27mV (200mV, IHF '66)
S/N (IHF A)	
PHONO	70dB (80dB, IHF '66)
CD, TAPE, TV/VCR 2, VCR 1, DVD/DSS	75dB (85dB, IHF '66)
Input impedance	
PHONO	47k Ω
CD, TAPE, TV/VCR 2, VCR 1, DVD/DSS	22k Ω
Tone controls	
BASS	50Hz, +10 to -10dB
TREBLE	20kHz, +10 to -10dB
Subwoofer frequency response	7Hz – 100Hz, $\pm$ 3dB
Loudness control (volume at -30dB)	50Hz, +9dB

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WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

General

Power consumption	290W (In standby condition : 2W)
Power supply	AC 120V, 60Hz
Dimensions (W x H x D)	430 x 158 x 312 mm (16 ⁵ / ₁₆ " x 6 ⁷ / ₃₂ " x 12 ⁹ / ₃₂ ")
Weight	9.5kg (20.9lb.)

Notes :

- Specifications are subject to change without notice.
Weight and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

Contents

	PAGE		PAGE
• SAFETY PRECAUTION.....	2	• TERMINAL GUIDE OF ICs, TRANSISTORS & DIODES	19
• BEFORE REPAIR AND ADJUSTMENT.....	2	• SCHEMATIC DIAGRAM.....	20 ~ 36
• PROTECTION CIRCUITRY.....	2	• PRINTED CIRCUIT BOARD	37 ~ 43
• OPERATION CHECKS AND MAIN COMPONENT REPLACEMENT	3 ~ 7	• WIRE CONNECTION DIAGRAM.....	44
• FAN MOTOR TROUBLESHOOTING.....	8	• CABINET PARTS LOCATION.....	45
• TROUBLESHOOTING.....	9 ~ 12	• REPLACEMENT PARTS LIST.....	46 ~ 49
• BLOCK DIAGRAM.....	13 ~ 17	• RESISTORS & CAPACITORS.....	49 ~ 54
• TERMINAL FUNCTIONS OF ICs.....	18	• PACKAGING.....	55

Safety Precaution (This "Safety Precaution" is applied only in U.S.A.)

- Before servicing, unplug the power cord to prevent an electric shock .
- When replacing parts ,use only manufacturer's recommended components for safety .
- Check the condition of the power cord .Replace if wear or damage is evident .
- After servicing ,be sure to restore the lead dress, insulation barriers ,insulation papers ,shields ,etc .
- Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard .

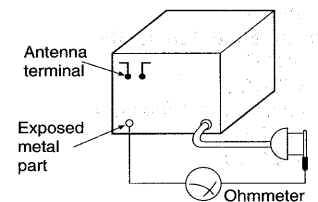


Fig. 1
Resistance = 3MΩ– 5.2MΩ

INSULATION RESISTANCE TEST

- Unplug the power cord and short the two prongs of the plug with a jumper wire .
- Turn on the power switch .
- Measure the resistance value with ohmmeter between the jumper AC plug and each exposed metal cabinet part ,such as screwheads, antenna ,control shafts ,handle brackets , etc . Equipment with antenna terminals should read between 3MΩ and 5.2MΩ to all exposed parts* . (Fig. 1) Equipment without antenna terminals should read approximately infinity to all exposed parts . (Fig. 2)
*Note :Some exposed parts may be isolated from the chassis by design. These will read infinity .
- If the measurement is outside the specified limits ,there is a possibility of a shock hazard .The equipment should be repaired and rechecked before it is returned to the customer .

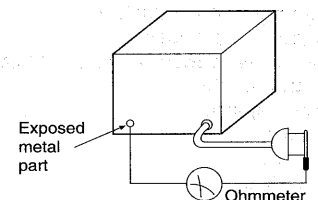


Fig. 2
Resistance = Approx ∞

Before Repair and Adjustment

Disconnect AC power, discharge 4 Power Supply Capacitors C703, C704, C705 and C706 through a 10Ω , 5W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices. After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 120 V, 60Hz in NO SIGNAL mode should be 500 ~ 1000 mA.

Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

- Turn off the power.
- Determine the cause of the problem and correct it.
- Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

■ Operation Checks and Main Component Replacement Procedures

"ATTENTION SERVICER" Some chassis components may have sharp edges. Be careful when disassembling and servicing.

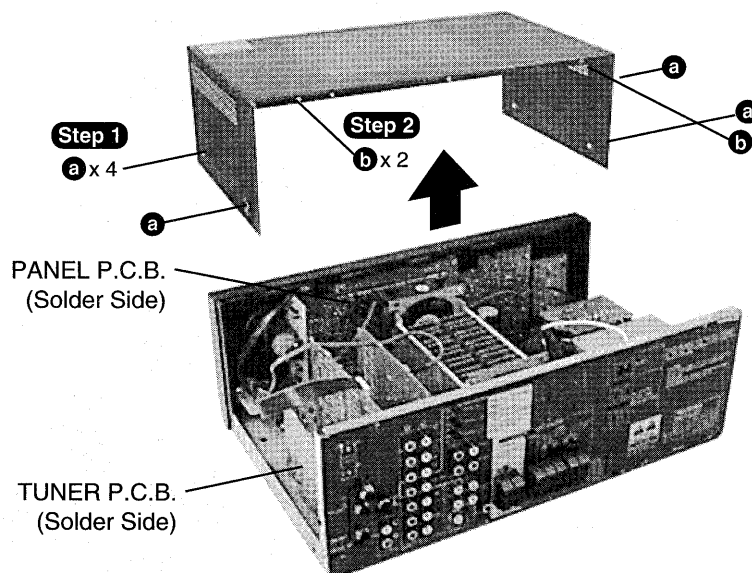
1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures.
Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.

• Contents

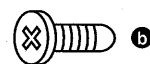
	page
• Checking Procedure For Each Major P.C.B.	3 ~ 5
• Main Component Replacement Procedures	5 ~ 7

■ Checking Procedure For Each Major P.C.B.

1. Checking of the Panel P.C.B., and Tuner P.C.B.



[SNE2129-1] (Black)



[XTBS3+8JFZ1] (Black)

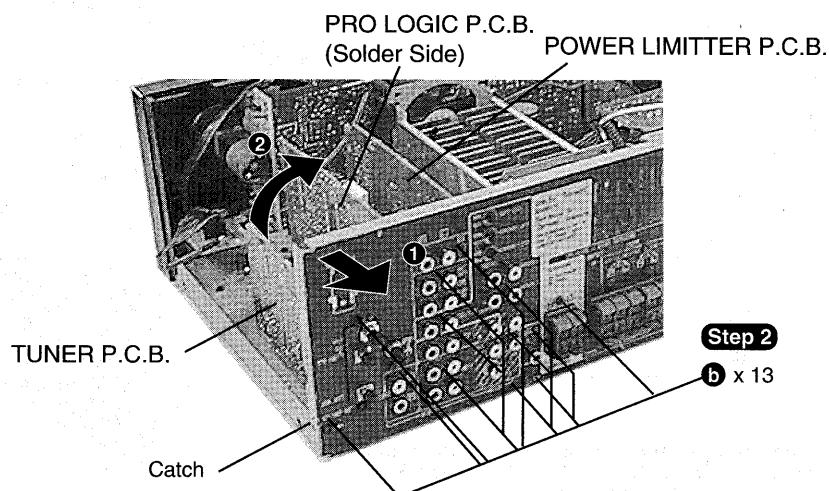
2. Checking of the Pro Logic P.C.B. and Power Limiter P.C.B.

Step 1

Remove the top cabinet.

Step 3

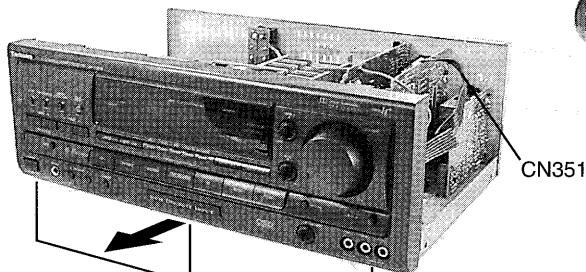
Release the catch, pull the rear panel in the direction of arrow ① and simultaneously remove the tuner P.C.B. in the direction of arrow ②.



To Remove Front Panel, Panel P.C.B., Power Switch P.C.B. and Headphone Jack P.C.B.

Step 1

Remove the top cabinet.



Step 2 b x 3

Step 3

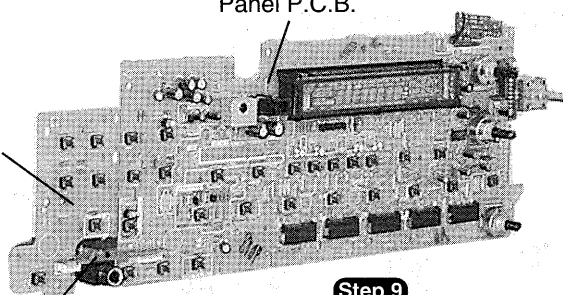
Remove the connector CN351.

Step 4

Remove the front panel in the direction of arrow.

Power Switch P.C.B.

Headphone Jack P.C.B.



Step 5

Remove the Volume Knob and Nut.

Step 7

c x 21

Step 6

Pull out 3 knobs.

Panel P.C.B.

Step 9

Pull out the Headphone Jack P.C.B.



[XTBS26+10J]



[RHD26016]

3. Checking of the MAIN P.C.B.

Step 1

Remove the top cabinet.

Step 2

Remove the front panel.

Step 3

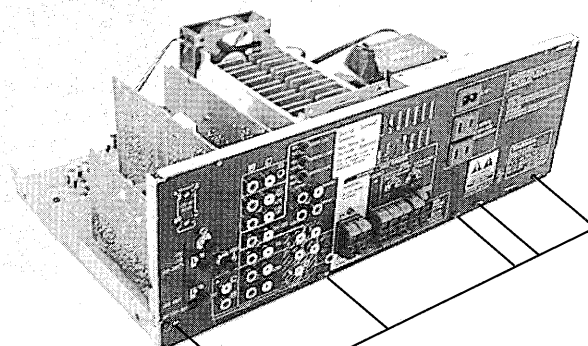
f X 10

Step 4

e X 2

Step 6

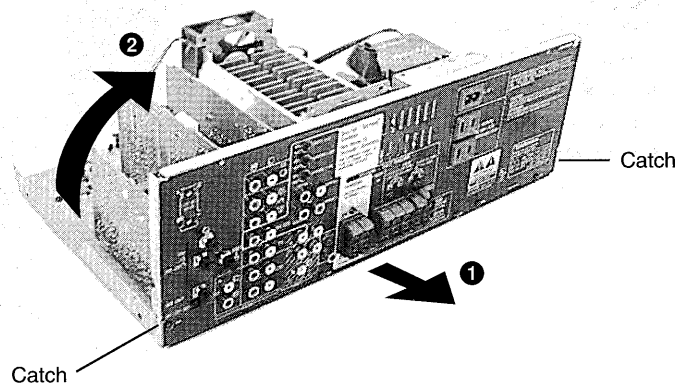
Release 2 catches and pull the rear panel in the direction of arrow ① for about 10mm. (Note : Main, Tuner and Pro Logic P.C.B. are attach to the rear panel)



Step 5 b x 5

Step 7

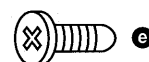
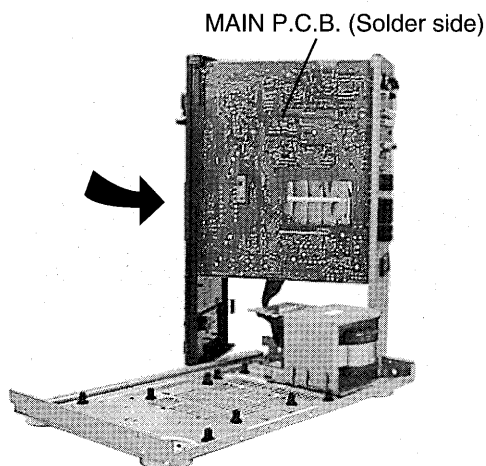
Lift the rear panel in the direction of arrow ②.



Step 8

Connect the front panel to the main P.C.B. as shown.

• Check the Main P.C.B. as shown •



[XTB3+8FFZ] (Black)



[XTB3+20JFZ] (Black)

■ Main Component Replacement Procedures

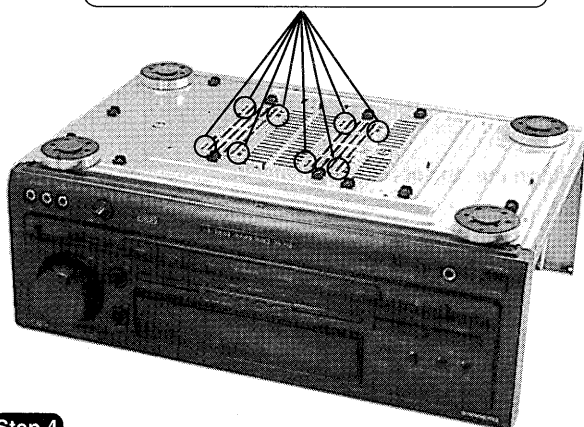
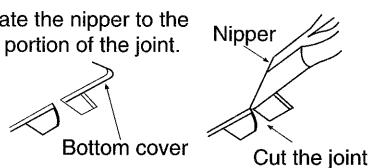
1. Replacement of the Power IC and Regulator Transistor

Step 1

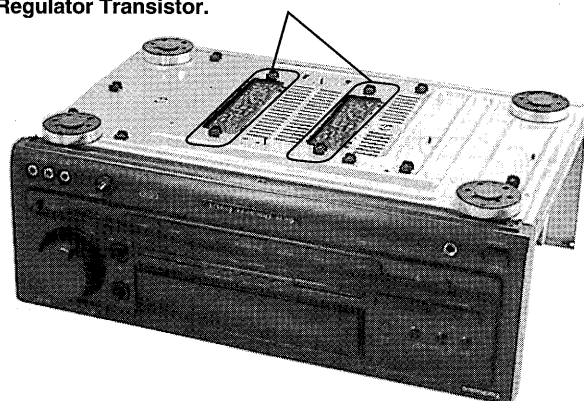
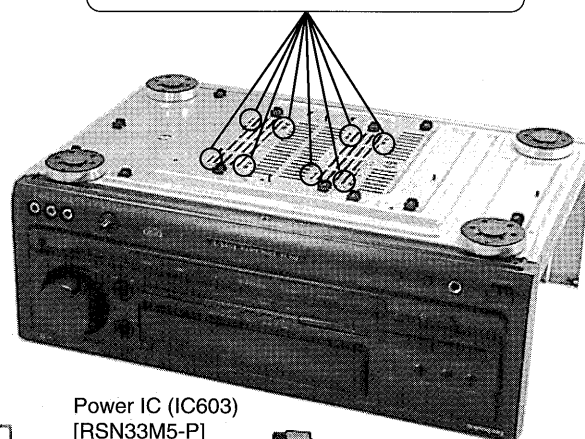
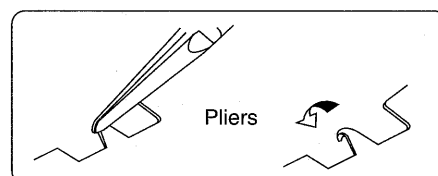
Remove the top cabinet.

Step 2 Cut the joints as shown below. (6 joints)

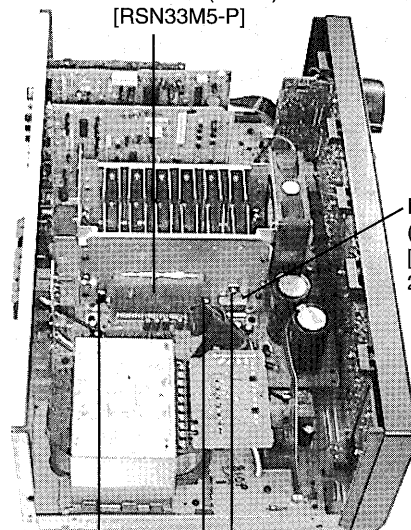
Locate the nipper to the thin portion of the joint.

**Step 4**

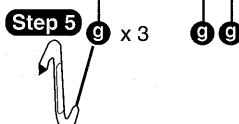
Desolder the terminals of Power IC and Regulator Transistor.

**Step 3** Fold the joints. (6 joints)

Power IC (IC603)
[RSN33M5-P]

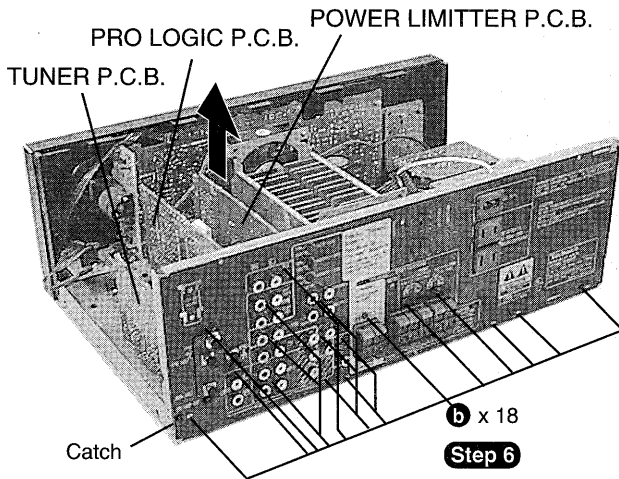


Regulator transistor
(Q701, Q708)
[2SD2374PQAU,
2SB1548PQAU]



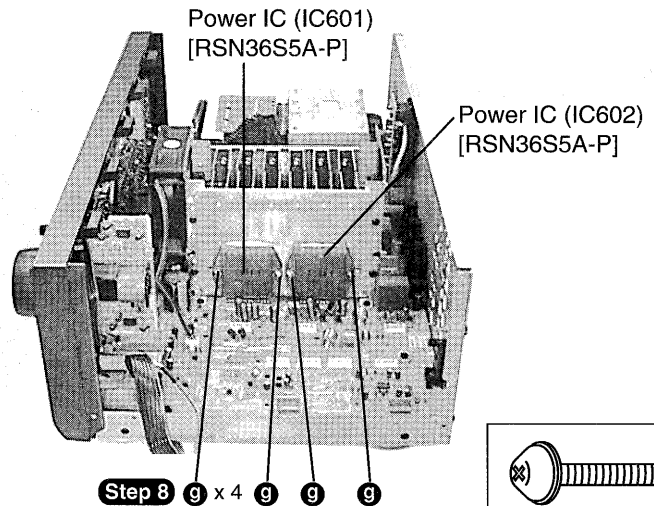
Step 5 g x 3

g g



Step 7

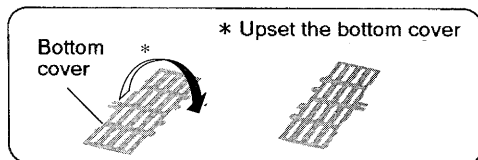
Pull out the Power Limitter P.C.B., Pro Logic P.C.B. and Tuner P.C.B.



[XTW3+15T]

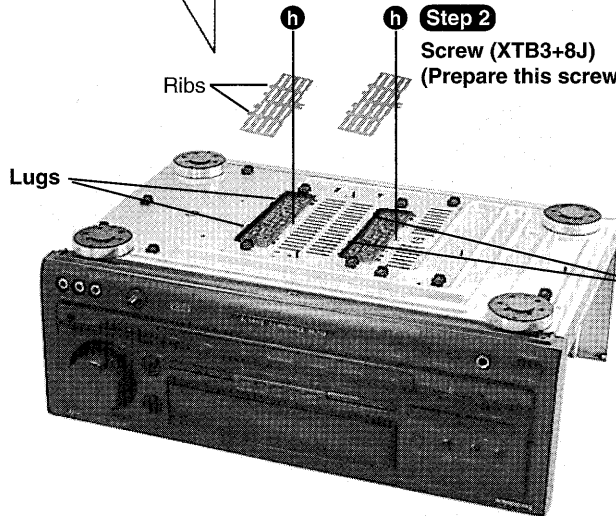
Installation of the bottom cover after replacement

Step 1



Step 2

Screw (XTB3+8J)
(Prepare this screw to fix the bottom cover.)



Step 2

Align the ribs of bottom cover into the lugs.



[XTB3+8J] (Black)

CAUTION

1. After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002/SZZ0L15) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
2. Tighten enough the screws (g) after replacing the power IC and regulator transistor. Otherwise, the heat radiation works little.
3. When installing or removing the power IC or transistor holder, be sure to use an offset screwdriver.

- A long straight screwdriver cannot be used for removing or mounting the screws since its long grip interferes with the neighbouring P.C.B. and transformer.(See Fig.1 & 3)
- A short straight screwdriver may be used for removal, but cannot be used for mounting because the limited space in the unit will not allow sufficient tightening torque.(See Fig.2 & 3)

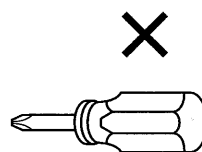


Fig.2

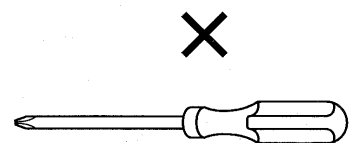


Fig.1

- Insufficient tightening will cause poor heat dissipation from the power IC and regulator transistor and,in the worst case, may lead to their thermal breakdown.

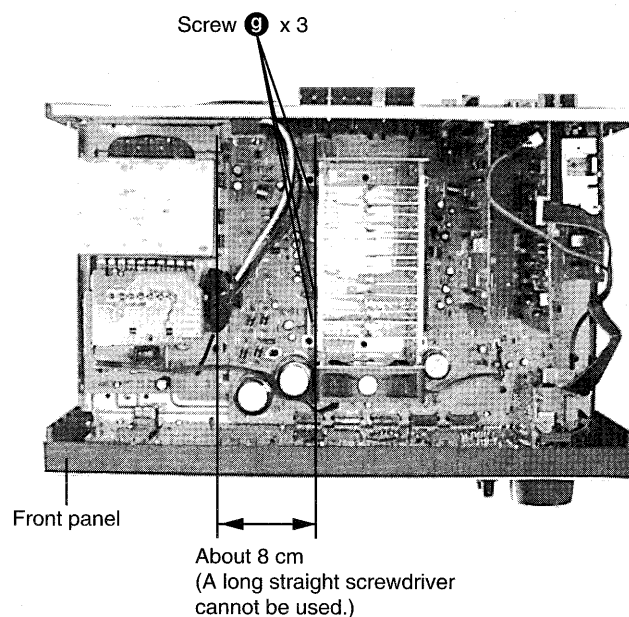
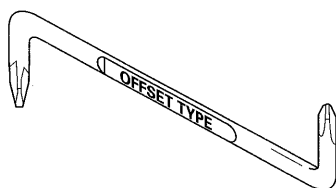


Fig.3

—OFFSET SCREWDRIVER—

- The PROTO offset screwdriver No.34- $\frac{1}{4}$ is recommended for use in the application above.



No.		
34- $\frac{1}{4}$	1 & 2	4- $\frac{1}{4}$ "

- The address of PROTO International Sales is as follows.



International Sales

International Sales Office
Stanley-Proto Industrial Tools
14117 Industrial Park Blvd.
Covington, GA 30209 U.S.A.
Fax: 706-786-4387
Phone: 706-787-3800

Australia, New Zealand &
South Pacific
Stanley-Proto Industrial Tools
P.O.Box 10
400 Whitehorse Road
Nunawading 3131
Victoria, Australia
Fax: 61-3-894-1173
Phone: 61-3-878-9244

Singapore, Indonesia,
Philippines, Korea, Hong
Kong, Malaysia, China.
Stanley-Proto Asia Pacific
12 Gul Drive
Singapore 2262
Fax: 65-861-3206
Phone: 65-862-0883

Thailand
Stanley-Proto Thailand Ltd.
1017 Moo 13 Bangkaew
Amphur Bangplee
Samutprakarn, Thailand
Fax: 66-2-316-6071
Phone: 66-2-316-8655

Japan
Stanley Works Japan
2-7-16 Hyakunin-Cho
Shinjuku-ku
Tokyo 160 Japan
Fax: 81-3-3360-8456
Phone: 81-3-3360-8458

Mexico
Herramientas Stanley S.A.
DE C.V.
Apartado Postal 675
72030 Puebla, Pue, Mexico
Fax: 52-22-494-4880
Phone: 52-22-495-300

South & Central America,
Puerto Rico, The Caribbean
Stanley Inter-America
2101 N.W. 84th Ave.
Miami, Florida 33122
Fax: 305-594-4261
Phone: 305-591-3828

Europe
Stanley-Proto Europe
Woodside, Sheffield
539PD
England
Fax: 44-742-739-038
Phone: 44-742-768-888

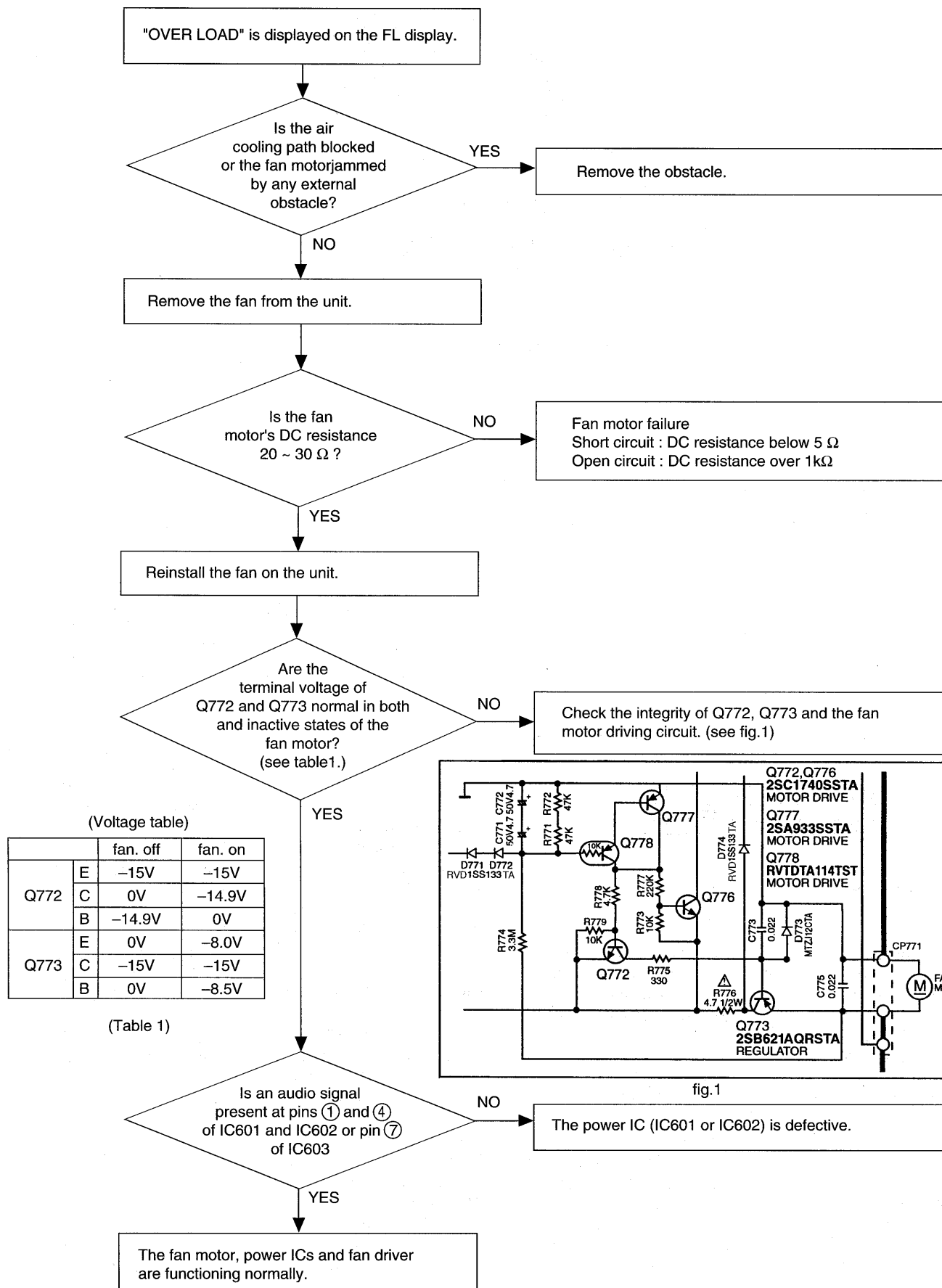
Canada
Stanley-Proto Canada
1100 Corporate Drive
Burlington, Ontario
Canada, L7L 5R6
Fax: 416-335-0075
Phone: 416-335-0075

Middel East, Mediterranean
& Africa
Stanley-MEMA
Cory House The Ring
Bracknell Berkshire
RG 12 1A2
England
Fax: 44-344-485-526
Phone: 44-344-51813

Fan Motor Troubleshooting

The Model SA-AX810 employ fan motor error sensing electronics.

If the cooling fan is not operating and "OVER LOAD" is displayed on the FL display, check the fan motor and its driving circuit.

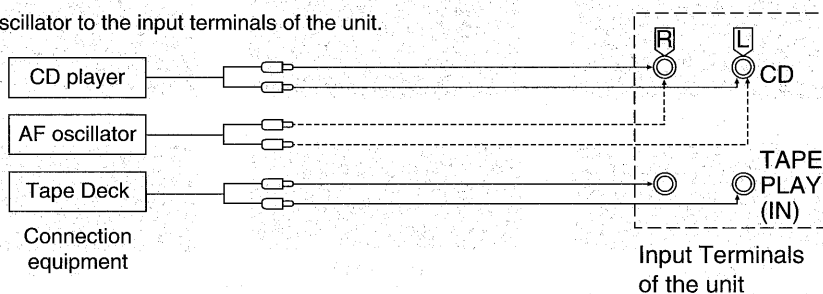


Troubleshooting

This unit has test points on each circuit board block for use in troubleshooting.

CONNECTION

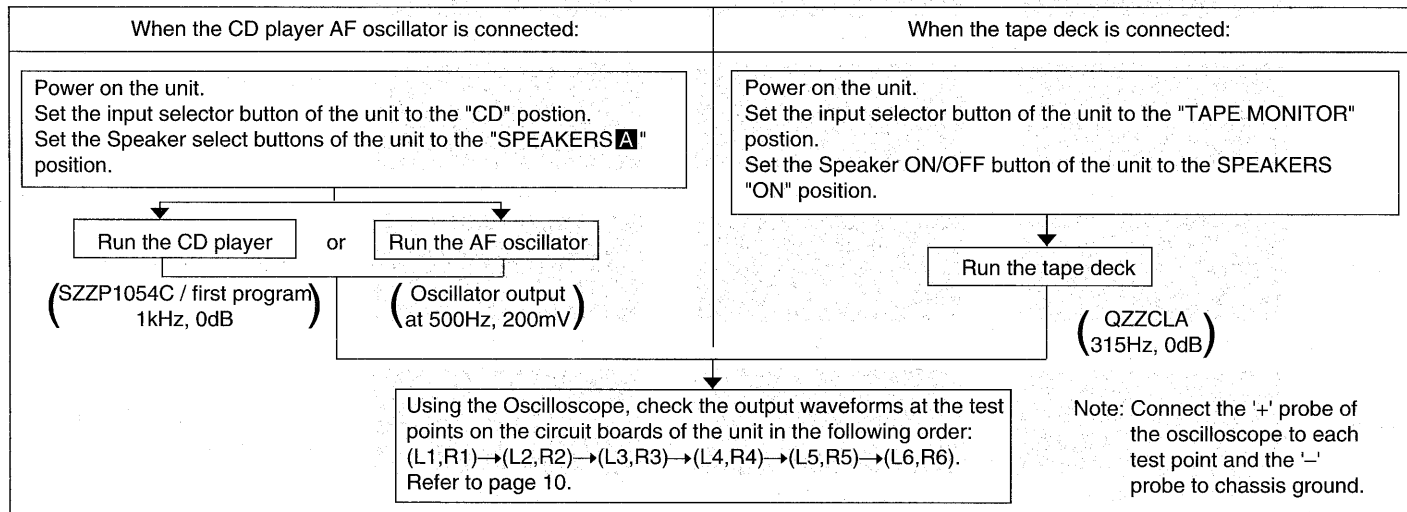
Connect either a CD player, tape deck or AF oscillator to the input terminals of the unit.



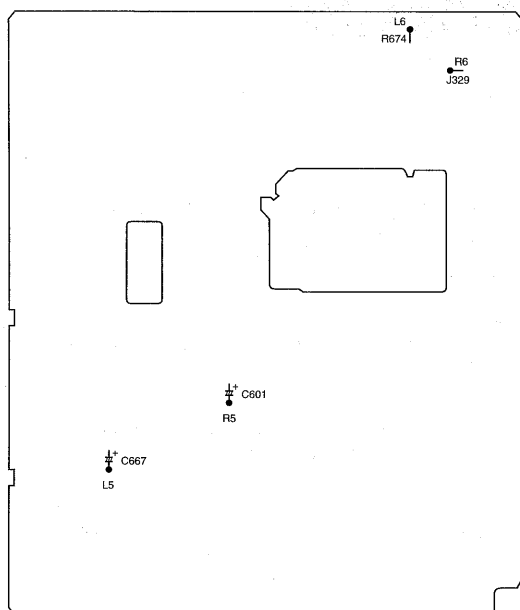
REQUIRED ITEMS

1. Testing with a CD player ——— Test disc (SZZP1054C / first program, 1kHz, 0dB)
2. Testing with a tape deck ——— Test tape (QZZCLA / 315Hz, 0dB)
3. Testing with a AF oscillator ——— Set the output at 500Hz, 200mV
4. Oscilloscope (min. 10MHz) ----- To measure the output waveform at the test points.

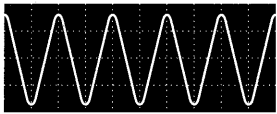
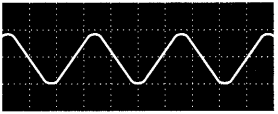
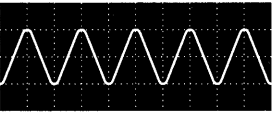
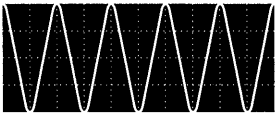
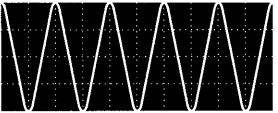
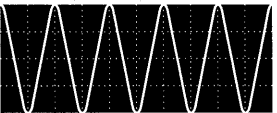
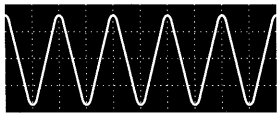
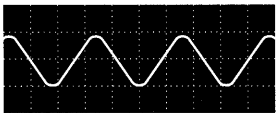
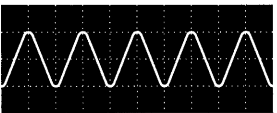
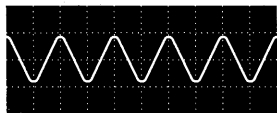
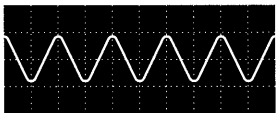
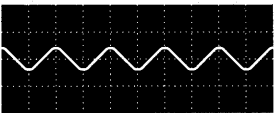
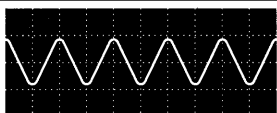
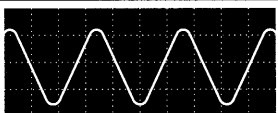
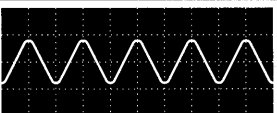
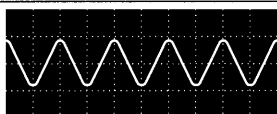
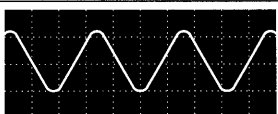
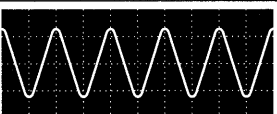
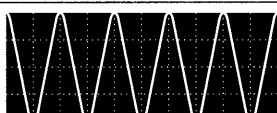
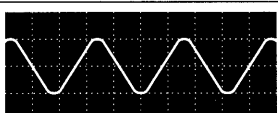
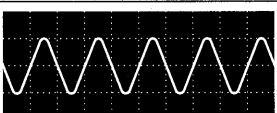
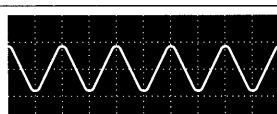
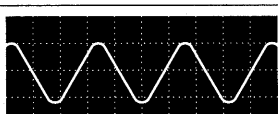
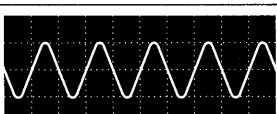
TEST PROCEDURE FOR AMPLIFIER CIRCUIT



TEST POINTS POSITIONS OF AMPLIFIER CIRCUIT



NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

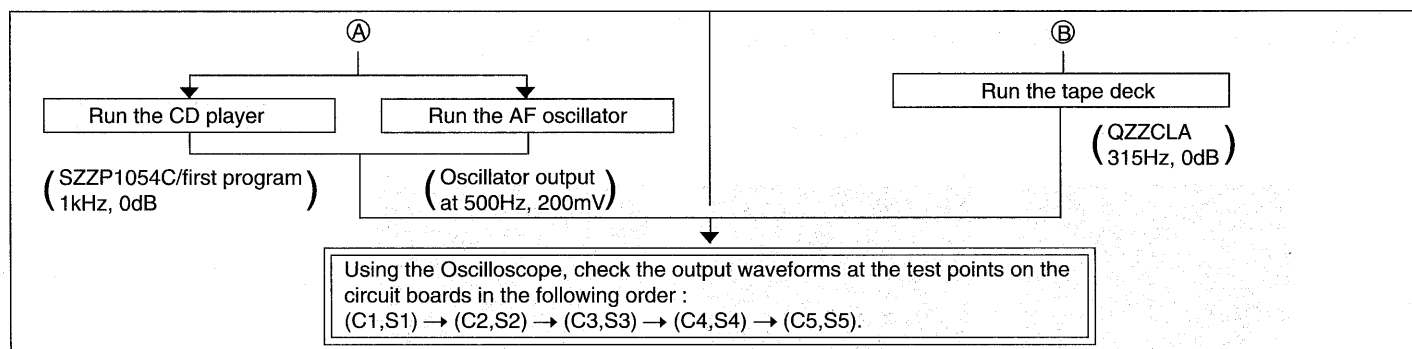
TP	CD	TAPE	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
L1/R1	 0.5msec 2V	 1msec 500mV	 1msec 500mV	Input selector block IC401 & area
SW1	 0.5msec 0.1V	 1msec 20mV	 1msec 20mV	Sub-Woofer amplifier IC1151 & area
L2/R2	 0.5msec 2V	 1msec 500mV	 1msec 500mV	Dolby pro logic block IC1001 and IC1002 & area
SW2	 1msec 25V	 1msec 25mV	 1msec 25mV	Master volume block VR501 & area
L3/R3	 0.5msec 500mV	 1msec 50mV	 1msec 100mV	Master volume block VR501 & area
L4/R4	 0.5msec 500mV	 1msec 1V	 1msec 1V	Tone control block IC511 & area
L5/R5	 0.5msec 100mV*	 1msec 500mV	 1msec 500mV	Power limiter block Q581 to Q584 & area
L6/R6	 0.5msec 5mV*	 1msec 10mV	 1msec 10V	Main amplifier block IC601 & area

Measurement conditions. Volume control (VR501), Treble control (VR512) and Bass control (VR511) positions : ●
*Volume control position (VR501) for these test : ●

CHECKING PROCEDURE FOR SURROUND CIRCUIT

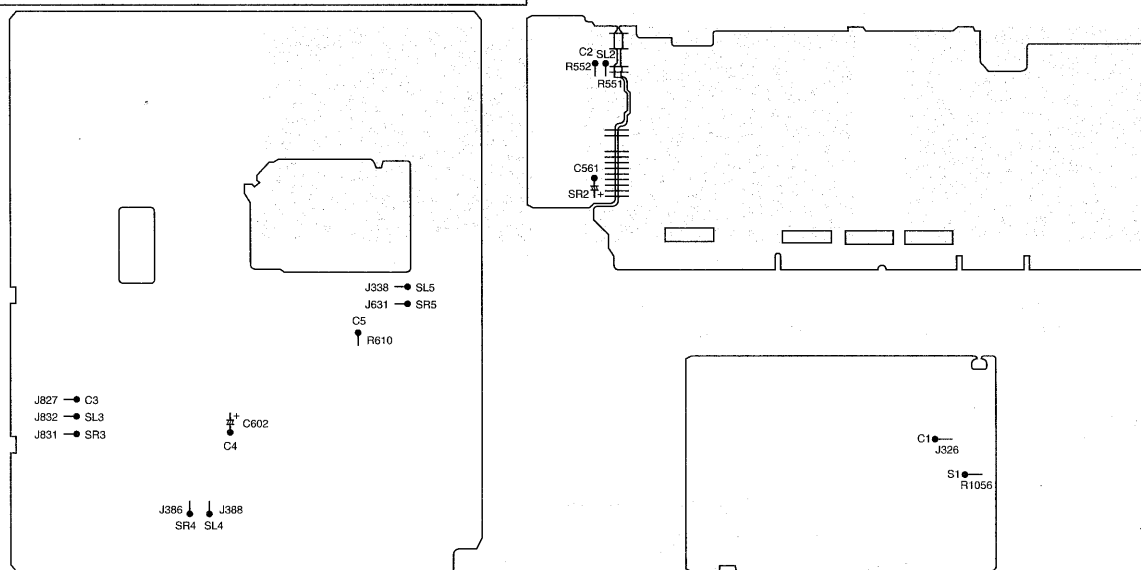
Outputting surround signal normally requires that opposite phase signals be applied to both the left and right channels. However, this unit incorporates a service mode, allowing the surround circuit to be tested using in-phase signals.

When the CD player or AF oscillator is connected :	When the tape deck is connected :
Power on the unit. Set the input selector button of the unit to the "CD" position. While pressing both VCR button and Speakers A button, press the "Power" button. The letter "SURROUND" flash on the FL display. A	Power on the unit. Set the input selector button of the unit to the "TAPE MONITOR" position. While pressing both VCR button and Speakers A button, press the "Power" button. The letter "SURROUND" flash on the FL display. B



• To exit the service mode, power off the unit.

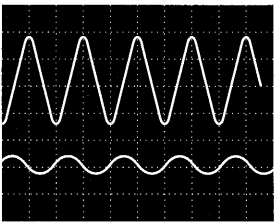
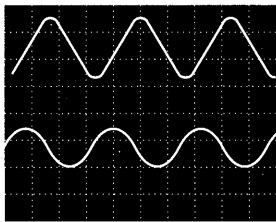
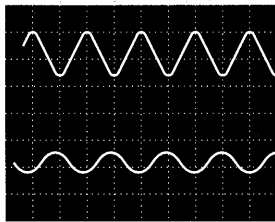
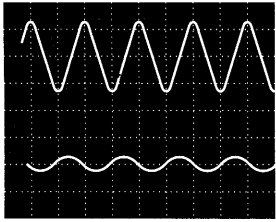
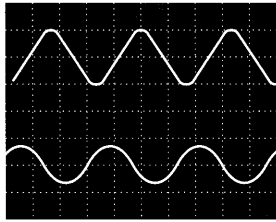
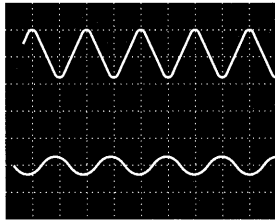
TEST POINTS POSITIONS OF SOURROUND CIRCUIT



NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

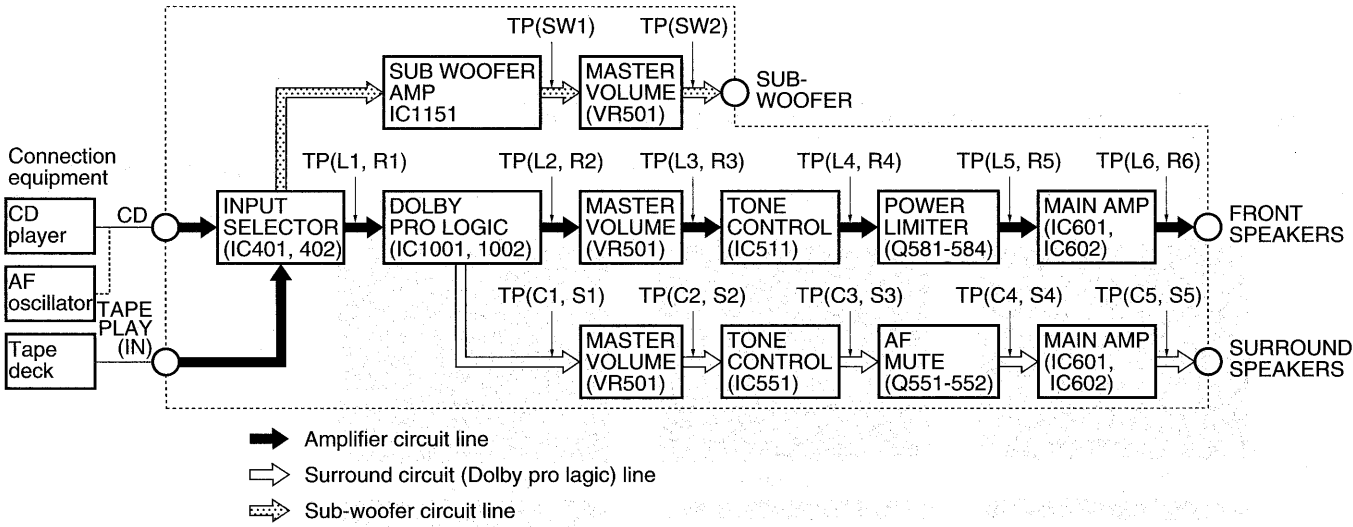
TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C1 S1				Dolby pro logic block IC1001 and IC1002 & area
C2 SL2/SR2				Master volume block VR501 & area
C3 SL3/SR3				Tone control block IC551 & area

NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C4 SL4/SR4	 0.5msec 200mV*	 1msec 500mV	 1msec 1V	Power limiter block Q551 to Q552 & area
C5 SL5/SR5	 0.5msec 5V*	 1msec 10V	 1msec 1V*	Main amplifier block IC601, IC602 & area

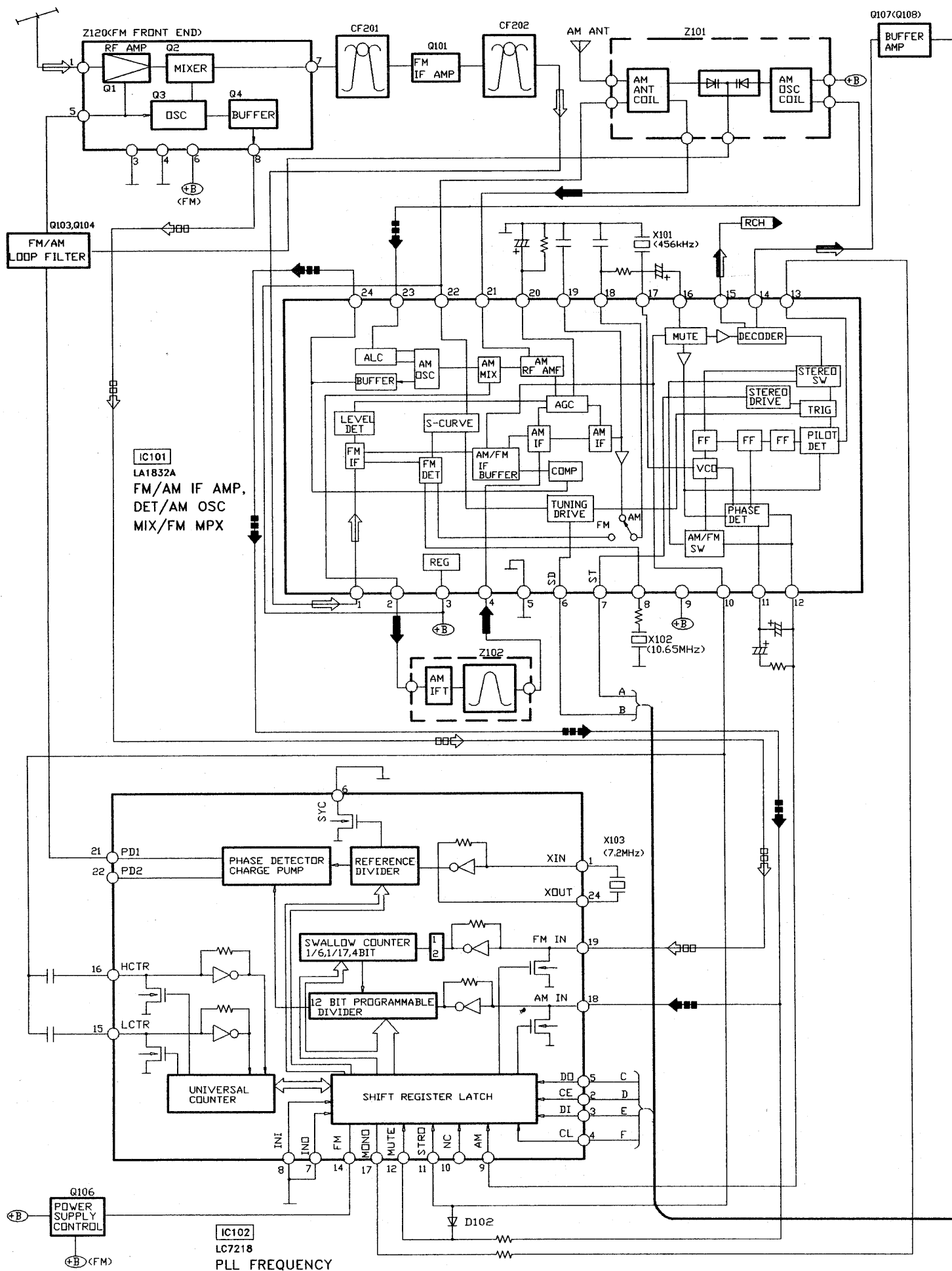
Measurement conditions. Volume control (VR501), Tremble control (VR512) and Bass control (VR511) positions:  
*Volume control position (VR501) for these test

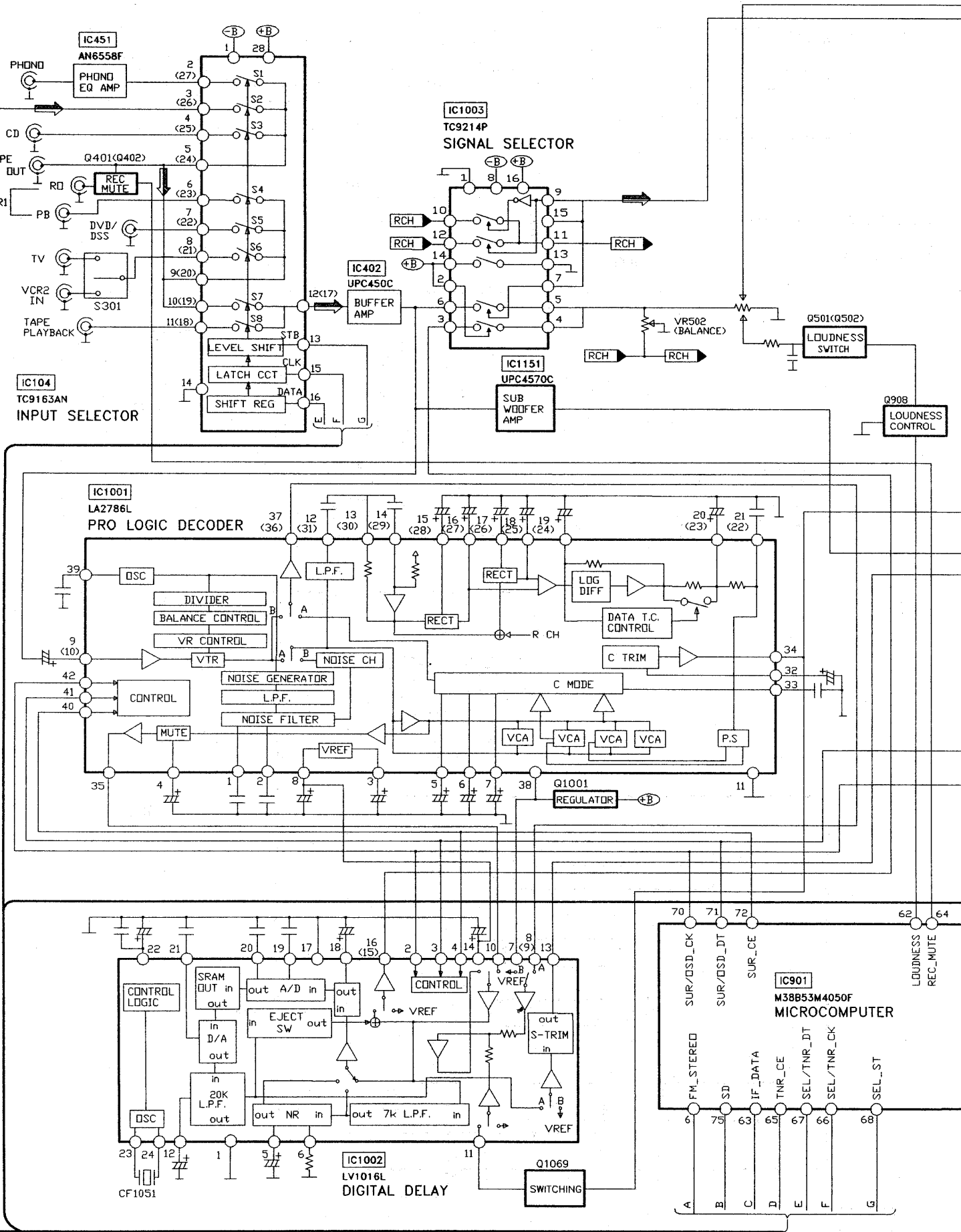
CIRCUIT BLOCKS

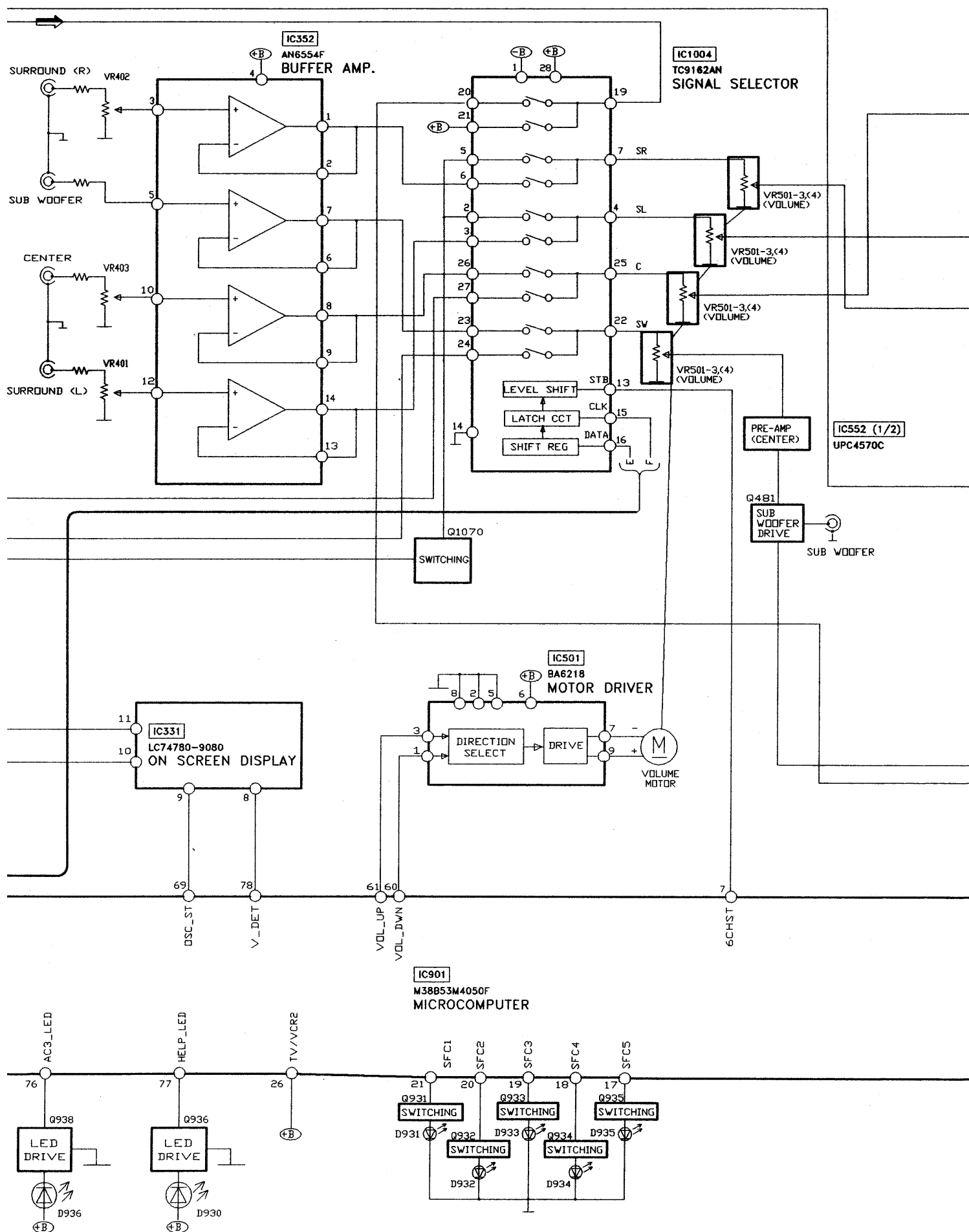


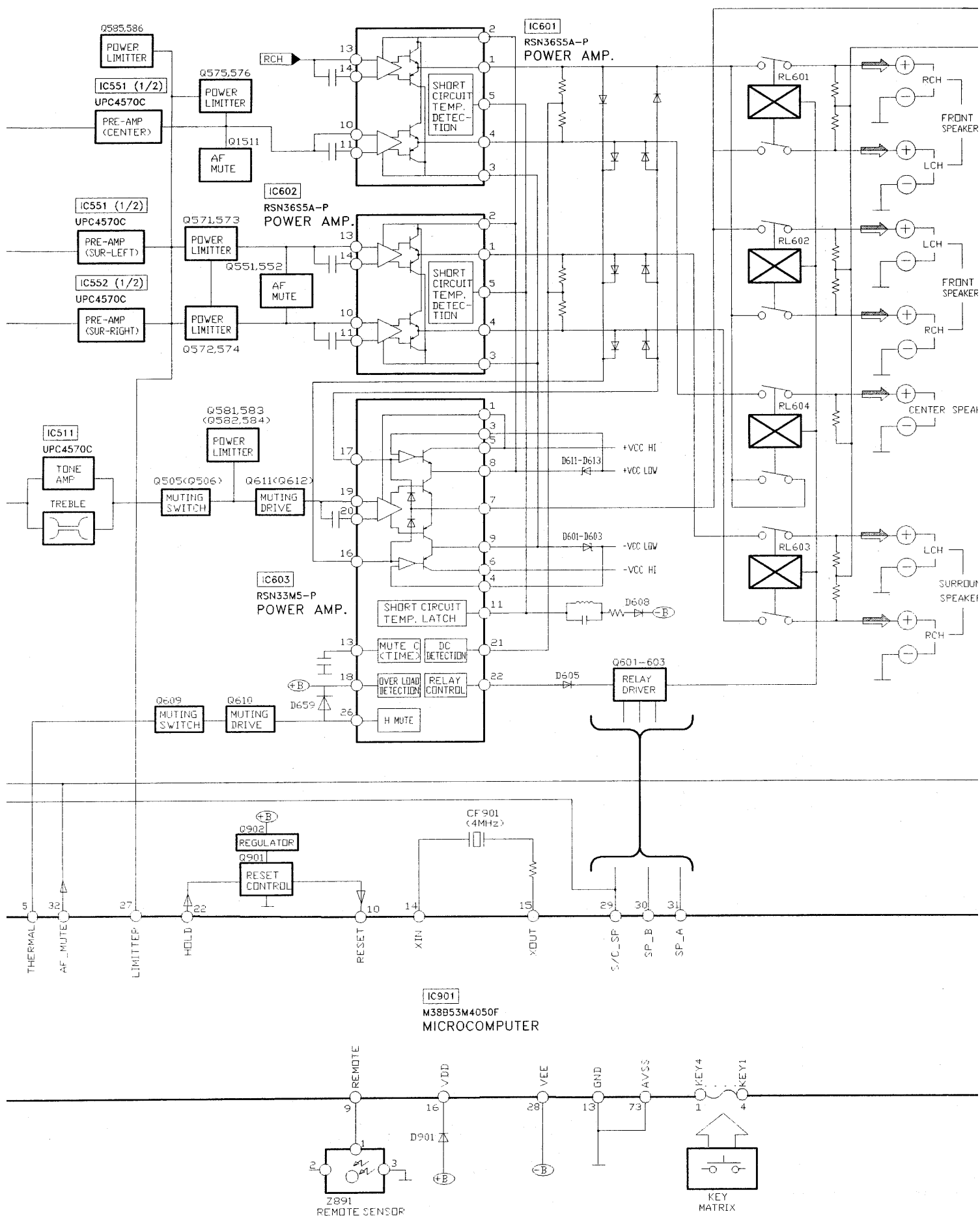
OVERLOAD DETECTION FUNCTION

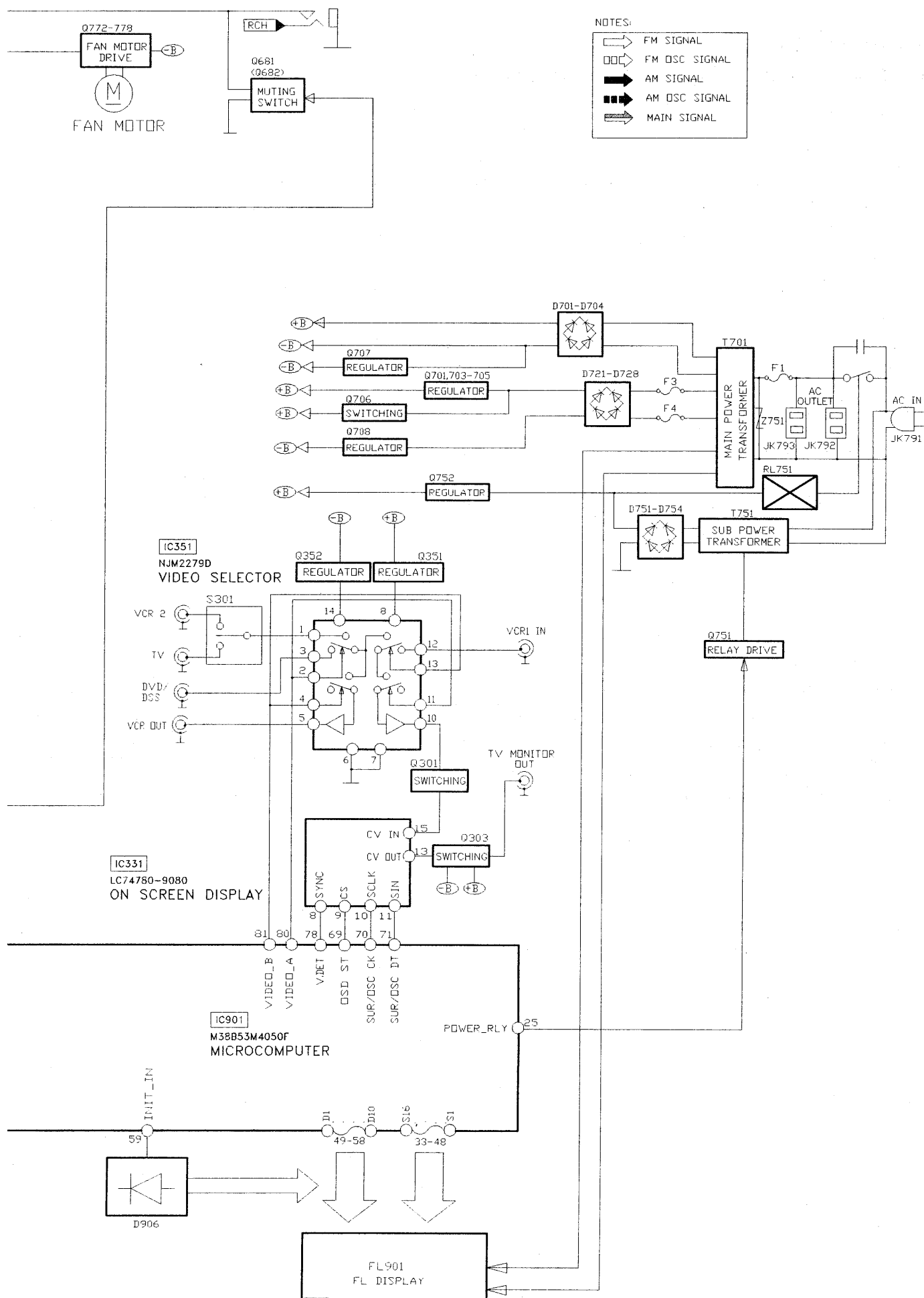
The HIC protection circuit functions if any cord at a speaker terminal is short-circuited or if the unit overheats because of improper operation. At the same time, 『OVERLOAD』 scrolls across the FL display.
In this state, all keys remain in operative; if any key is pressed, 『SWITCH OFF POWER』 scrolls across the FL display.
If an overload occurs, immediately power off the unit and check the speaker connection, venting holes and cooling fans. After fixing any faults, power on the unit again and check for proper operation.
If no defects are found, or if the unit remains overload after it is power on again, check the circuit for faults.











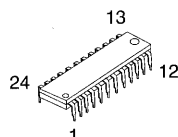
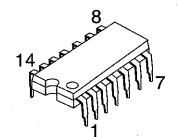
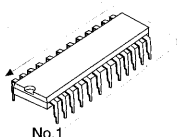
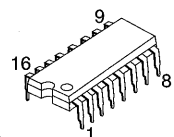
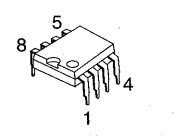
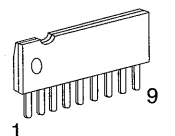
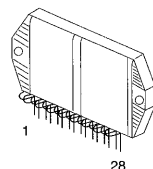
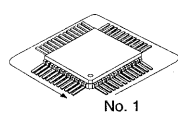
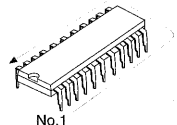
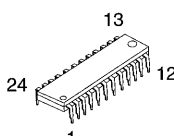
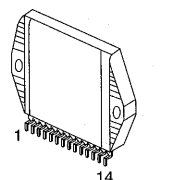
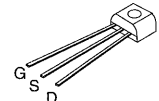
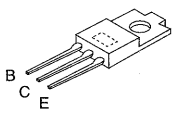
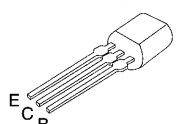
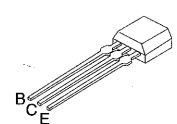
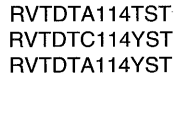
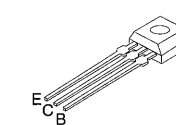
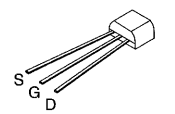
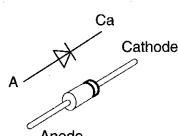
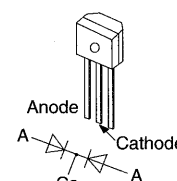
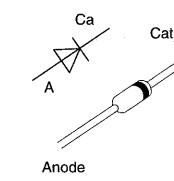
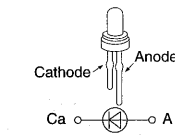
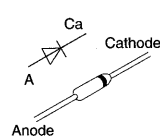
■ Terminal Functions Of ICs

• IC901 (M38B53M4050F) System Microprocessor

Pin No.	Mark	I/O	Function
1~4	KEY4~KEY1	I	Key matrix detect terminal
5	THERM/OVLD	I	Thermal/Over load detect terminal
6	FM_ST	I	Stereo signal detect terminal
7	6CH_ST	O	6 CH discrete signal output
8	RDS_ST	–	Not used
9	REMOTE	I	Remote control terminal
10	RESET	I	Reset detect terminal
11	RDS_CK	–	Not used
12	RDS_DT	–	Not used
13	GND	–	GND terminal
14	XIN	I	Crystal oscillator terminal (4 MHz)
15	XOUT	O	
16	VDD	I	Power supply terminal
17~21	SFC5-SFC1	O	SFC LED indicator output
22	HOLD	I	Power trip detection input
23	STANDEY_LED	–	Not used
24	FAN_STOP	–	Not used
25	RLY	O	Power relay control output
26	TV/DVD	I	TV/DVD select control input
27	LIMITTER	O	Power limiter control output
28	VEE	I	FL driver pull down voltage
29	S/C_SP	O	Surround/center speaker control output
30	SP_B	O	Speaker B control output
31	SP_A	O	Speaker A control output
32	AF_MUTE	O	Muting control output

Pin No.	Mark	I/O	Function
33~48	SEG16~SEG1	O	FL segment signal output
49~58	DEG1~DEG10	O	FL digit signal output
59	INIT_IN	I	Diode input
60	VOL_DOWN	O	Rotate control terminal of volume motor
61	VOL_UP	O	
62	LOUDNESS	O	Loudness control output
63	IF_DATA	I	Serial data signal
64	REC_MUTE	O	Record mute control output
65	TNR_CE	O	Chip enable signal
66	SEL/TNR_CK	O	Senal clock signal
67	SEL/TNR_DT	O	Serial data signal
68	SEL_ST	O	Level shift control terminal
69	OSD_ST	O	OSD control terminal
70	SURR/OSD_CK	O	Serial clock signal
71	SURR/OSD_DT	O	Serial data signal
72	SURR_CE	O	Chip enable signal
73	AVSS	–	GND for A-D conveter
74	VREF	I	Reference voltage for A-D conversion
75	SD	I	SD signal detect input
76	AC3_LED	O	LED drive signal (AC3)
77	HELP_LED	O	LED drive signal (HELP)
78	VIDEO_DET	O	Video selector control output
79	VIDEO_B	O	Video selector control output B
80	VIDEO_A	O	Video selector control output A

Terminal Guide Of ICs, Transistors and Diodes

LA1832A LC7218 	NJM2279D 	TC9163AN 28Pin AN6554F 14Pin TC9162AN 28Pin 	TC9214P 	AN6558-F UPC4570C 	BA6218 
RSN33M5-P 	M38B53M4050F (80Pin) 	LA2786L (42Pin) 	LV1016L LC74780-9080 	RSN36S5A-P 	2SK544F-AC 
2SB1548PQAU 2SD2374PQAU 	2SD592AQSTA 2SB621AQSTA 2SA1534AQRTA 2SC3940AQSTA 2SB621AQRSTA 	2SA933SSTA 2SC1740SSTA 	RVTDTA113ZST RVTDTA114EST RVTDTA114EST RVTDTA143XST RVTDTA114TST RVTDTA114YST RVTDTA114YST 	2SC2786MTA 2SC2787FL1TA 2SC2787LTA 2SC2785FETA UN411FTA 2SC3311ARTA 2SD1915FTA 2SC3311AQSTA 	
2SJ40CTA 2SK381CTA 	SB360L6508 P300DLF 	SVC211SPA-AL 	RVD1SS133TA 1SR35200TB 1SS291TA MA167ATA MA700ATA 		SLR342MC SLR342DC SLR342DCTB7 
MTZJ5R1BTA MTZJ5R6BTA MTZJ7R5CTA 	MTZJ3R0ATA MTZJ6R2BTA MTZJ15CTA MTZJ6R8BTA MTZJ4R7BTA MTZJ3R9ATA MTZJ10CTA MTZJ27DTA MTZJ12CTA 				

■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

Note:

• S301	:	TV/VCR2 select switch	• S975	:	DVD select switch
• S946	:	Power switch	• S976	:	Delay time switch
• S948	:	Muting switch	• S980	:	Speakers A switch
• S950	:	FM Auto/ Mono switch	• S981	:	Speakers B switch
• S951	:	Band select switch	• S982	:	Loudness switch
• S952	:	Tuning decrease switch	• S983	:	Dolby Pro Logic/SFC off on switch
• S953	:	Tuning increase switch	• S984	:	Dolby Pro Logic mode select switch
• S954	:	Sleep switch	• S985	:	Center mode select switch
• S955	:	Memory manual/auto switch	• S991	:	Phono select switch
• S956	:	Preset decrease switch	• S992	:	Tuner select switch
• S957	:	Preset increase switch	• S993	:	CD select switch
• S958	:	Help switch	• S994	:	Tape select switch
• S965	:	6CH discrete switch	• S995	:	TV/VCR2 select switch
• S970	:	Simulated switch	• S996	:	VCR1 select switch
• S971	:	Theater switch	• VR501-1 ~ VR501-6	:	Volume control
• S972	:	Live switch	• VR502	:	Balance control
• S973	:	Club switch	• VR511-1 ~ VR511-2	:	Bass control
• S974	:	Hall switch	• VR512-1 ~ VR512-2	:	Treble control

• Signal line

	:	+B line		:	AM signal line		:	FM signal line
	:	- B line		:	AM OSC signal line		:	FM OSC signal line
	:	FM/AM signal line		:	Main signal line			

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis.

Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

() AM

< > FM

• Importance safety notice:

Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.

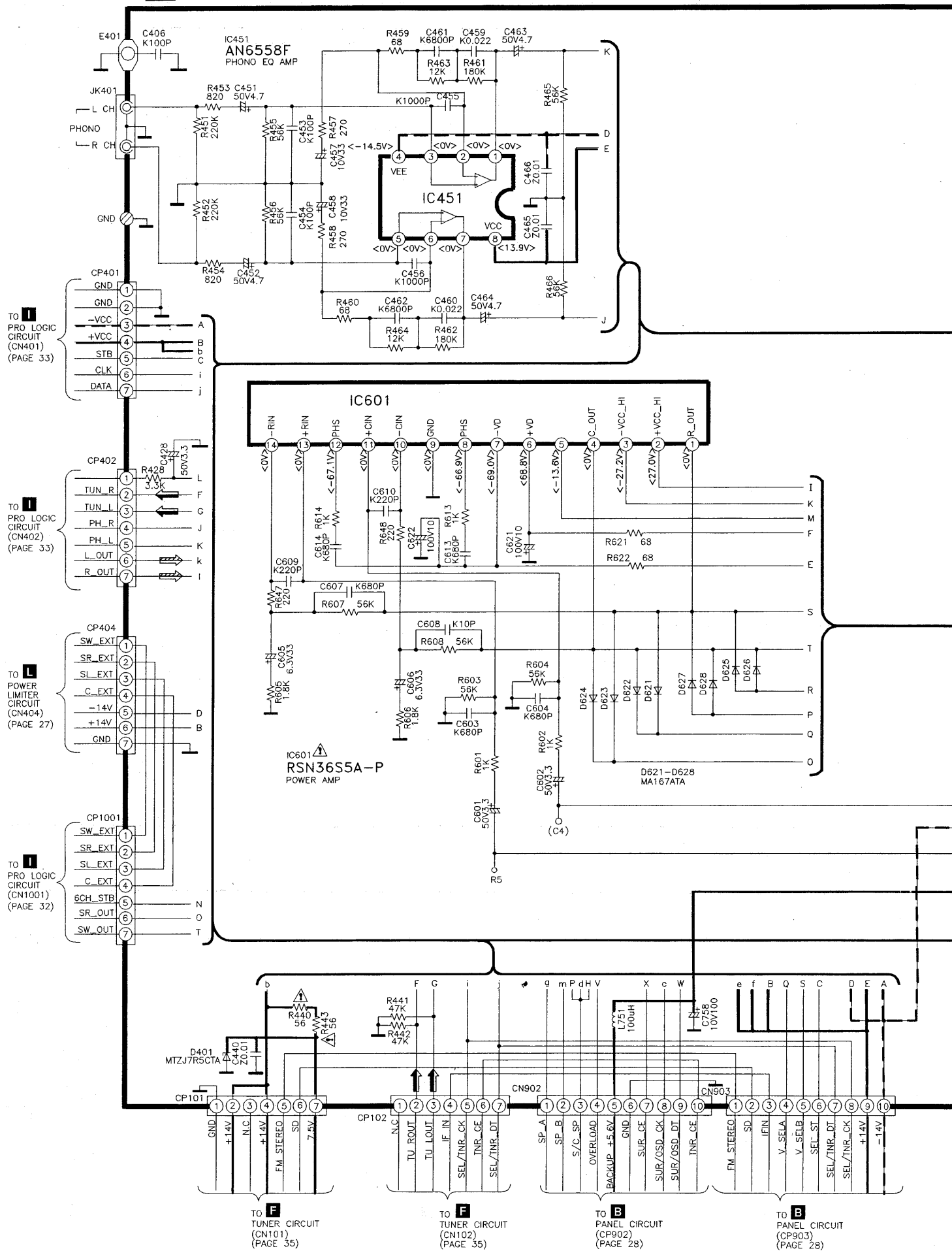
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.
- Put a conductive mat on the work table.

**CAUTION: FOR CONTINUED PROTECTION
AGAINST FIRE HAZARD, REPLACE ONLY WITH
SAME TYPE F1, F3 & F4 8A 125V FUSE.**



RISK OF FIRE-REPLACE FUSE AS MARKED.

A MAIN CIRCUIT

IC603
RSN33M5-P
POWER AMP

Q601
RVTDTA113ZST
RELAY DRIVE

Q602
RVTDTA113ZST
RELAY DRIVE

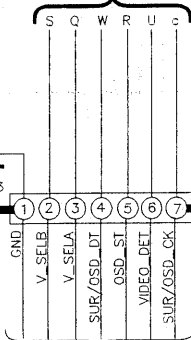
Q611,Q612
2SC1740SSTA
MUTING DRIVE

Q1151
2SD1915FTA
AF MUTE

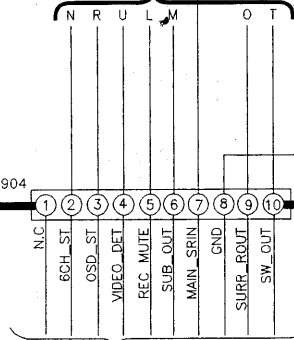
CP403

CN904

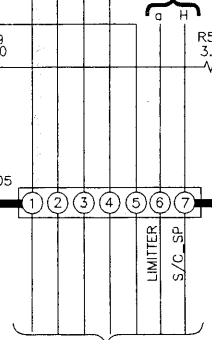
CP405



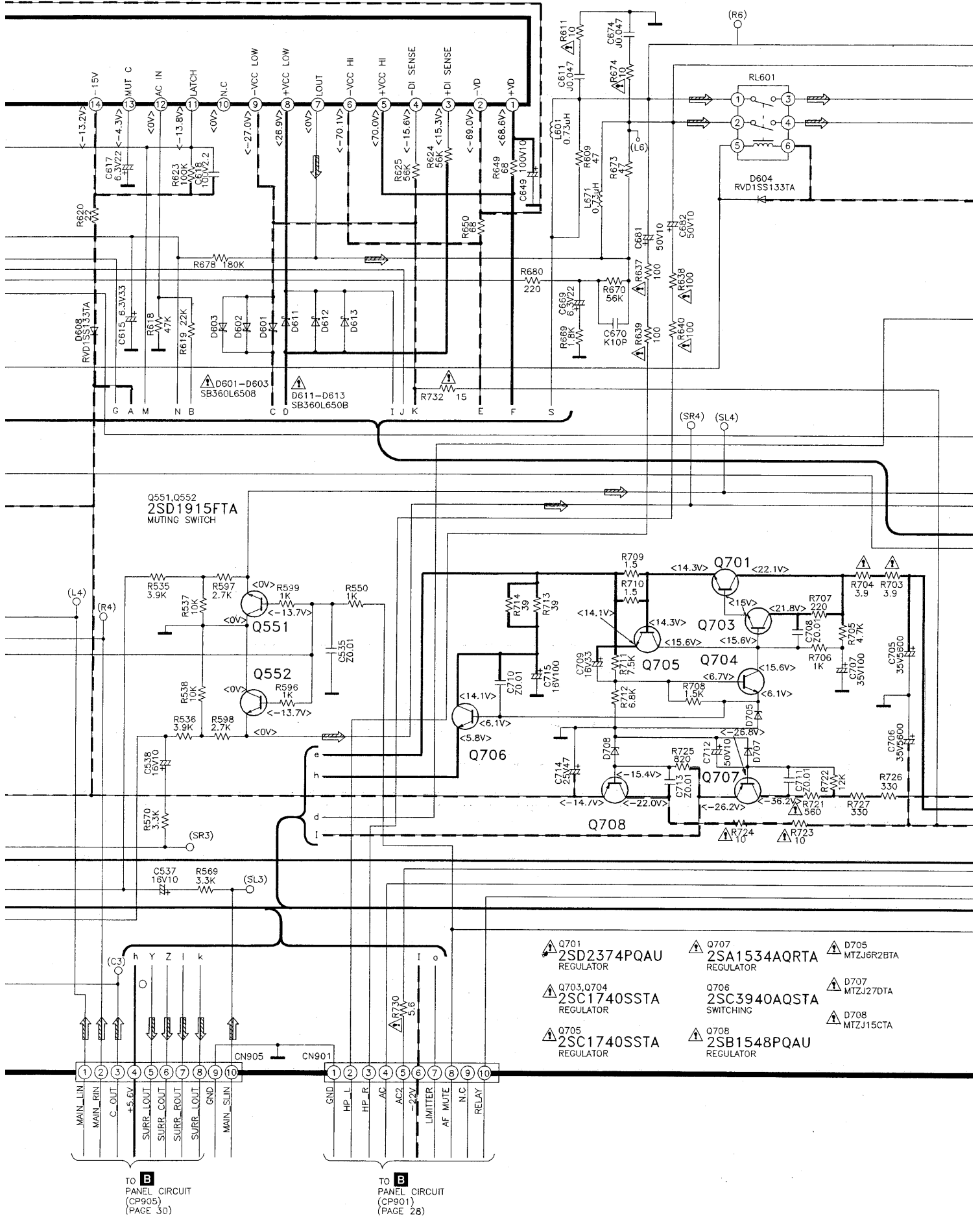
TO **L**
POWER LIMITER CIRCUIT
(CN403)
(PAGE 27)

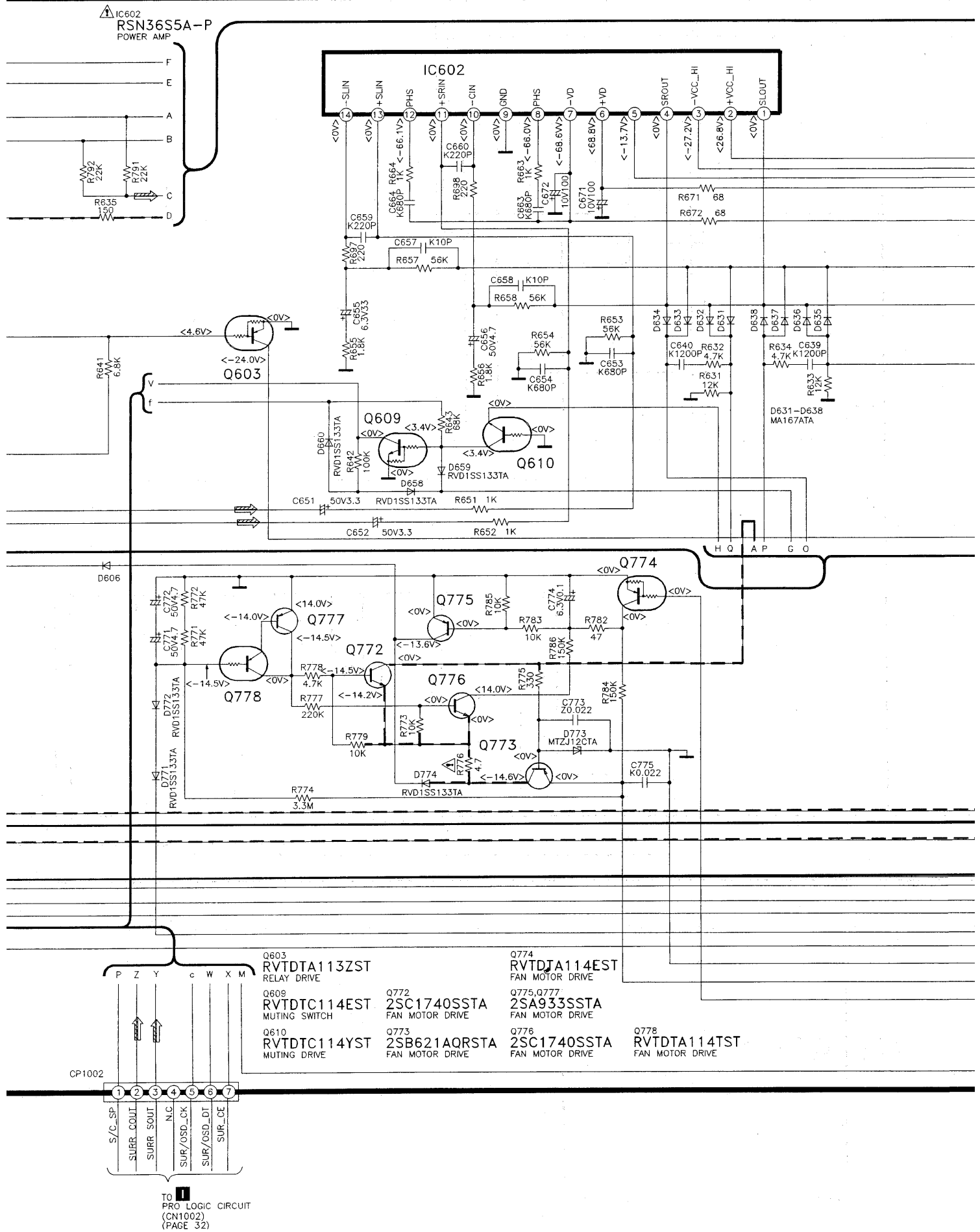


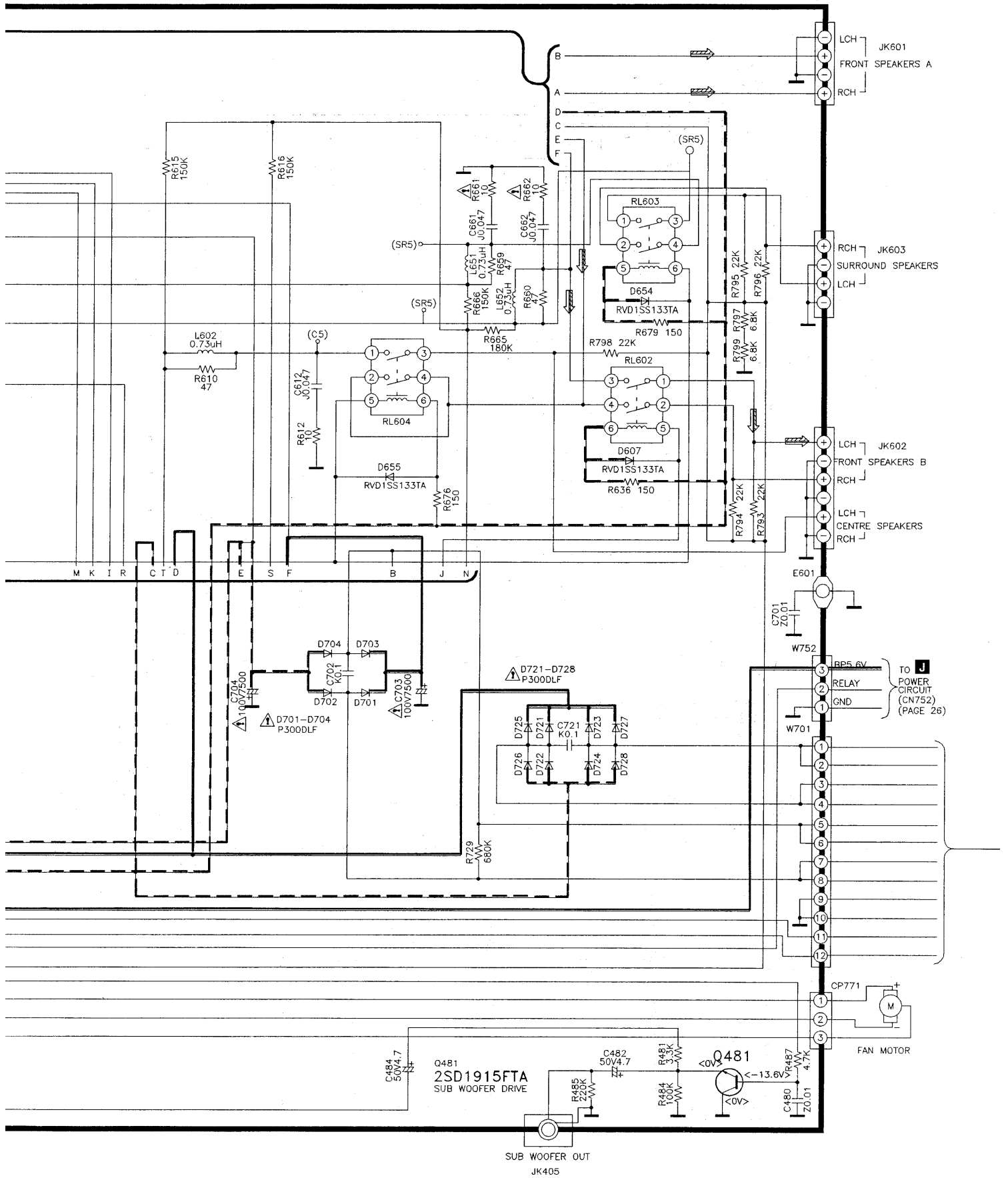
TO **B**
PANEL CIRCUIT
(CP904)
(PAGE 29)



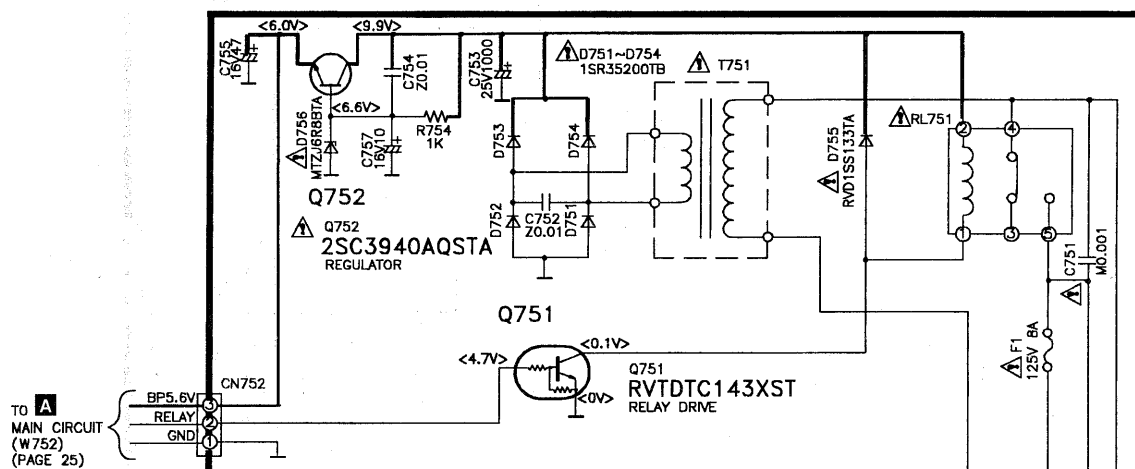
TO **L**
POWER LIMITER CIRCUIT
(CN405)
(PAGE 27)



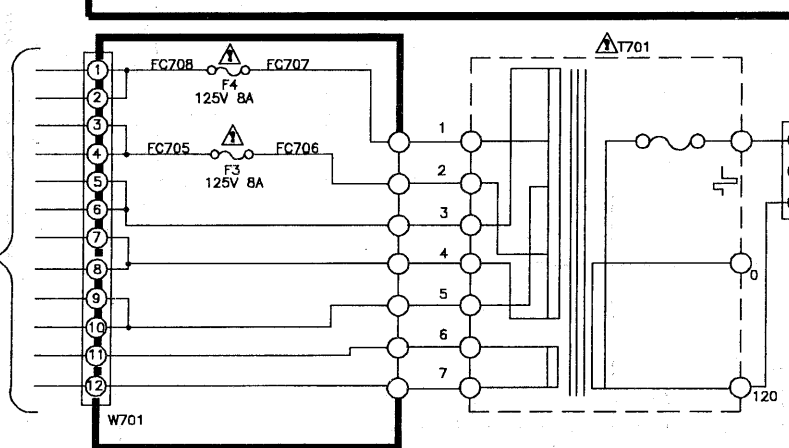




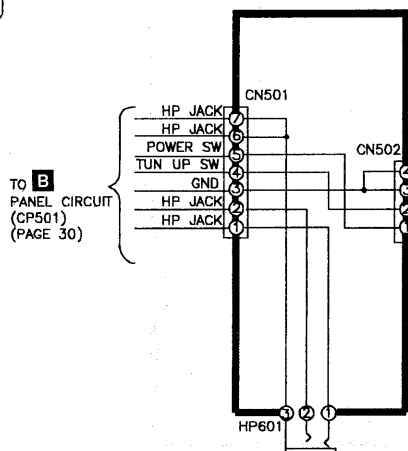
J POWER CIRCUIT



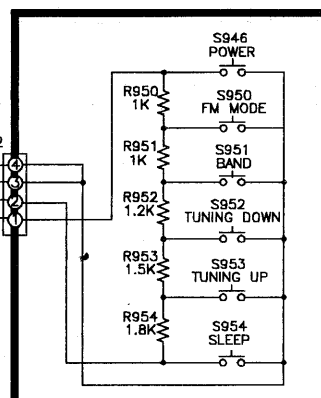
H TRANSFORMER CIRCUIT



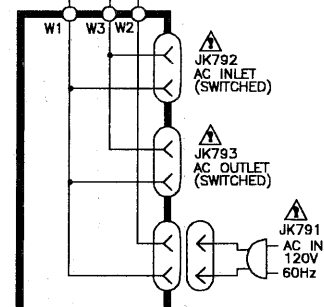
E HEADPHONE JACK CIRCUIT



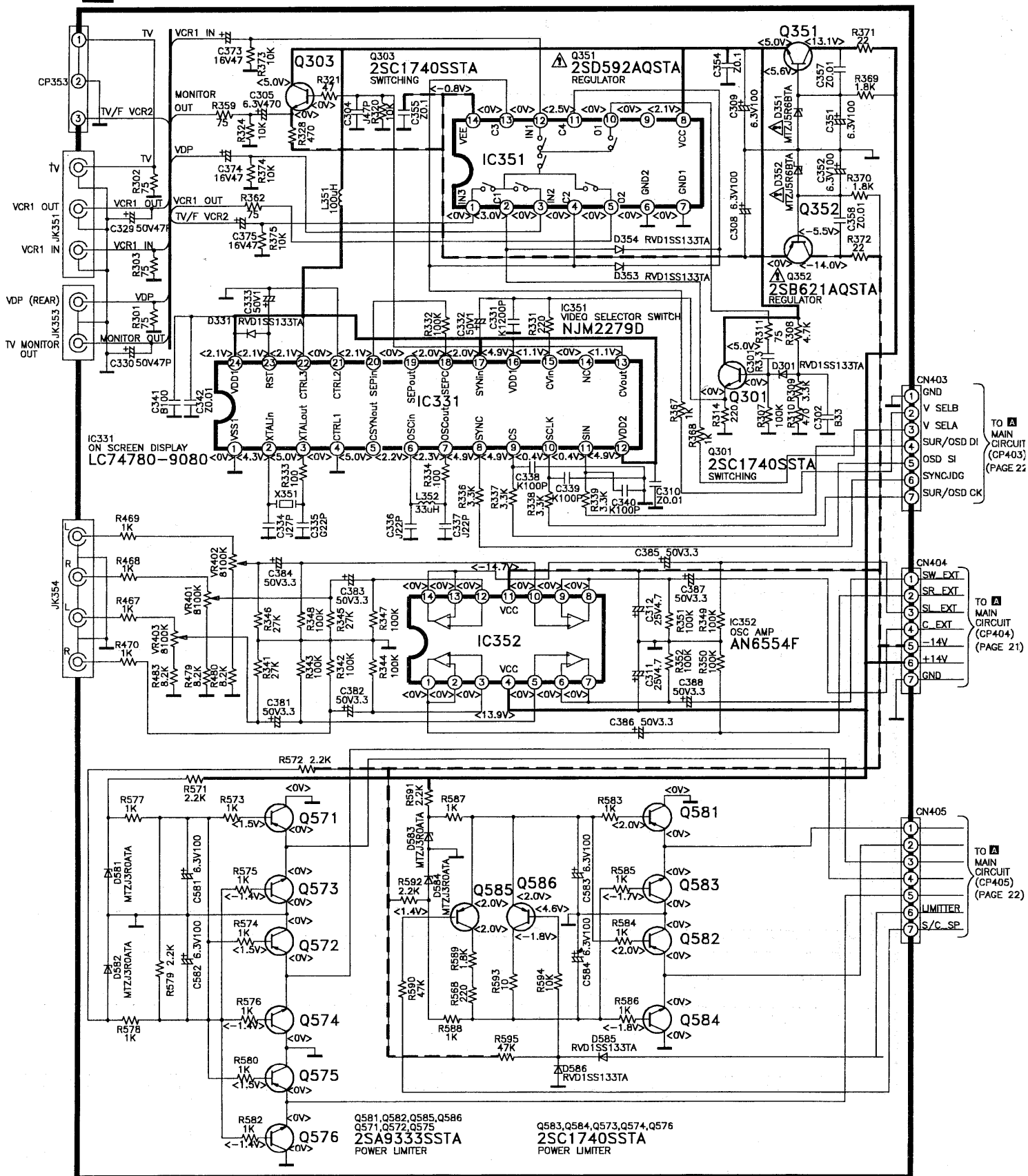
D OPERATION CIRCUIT



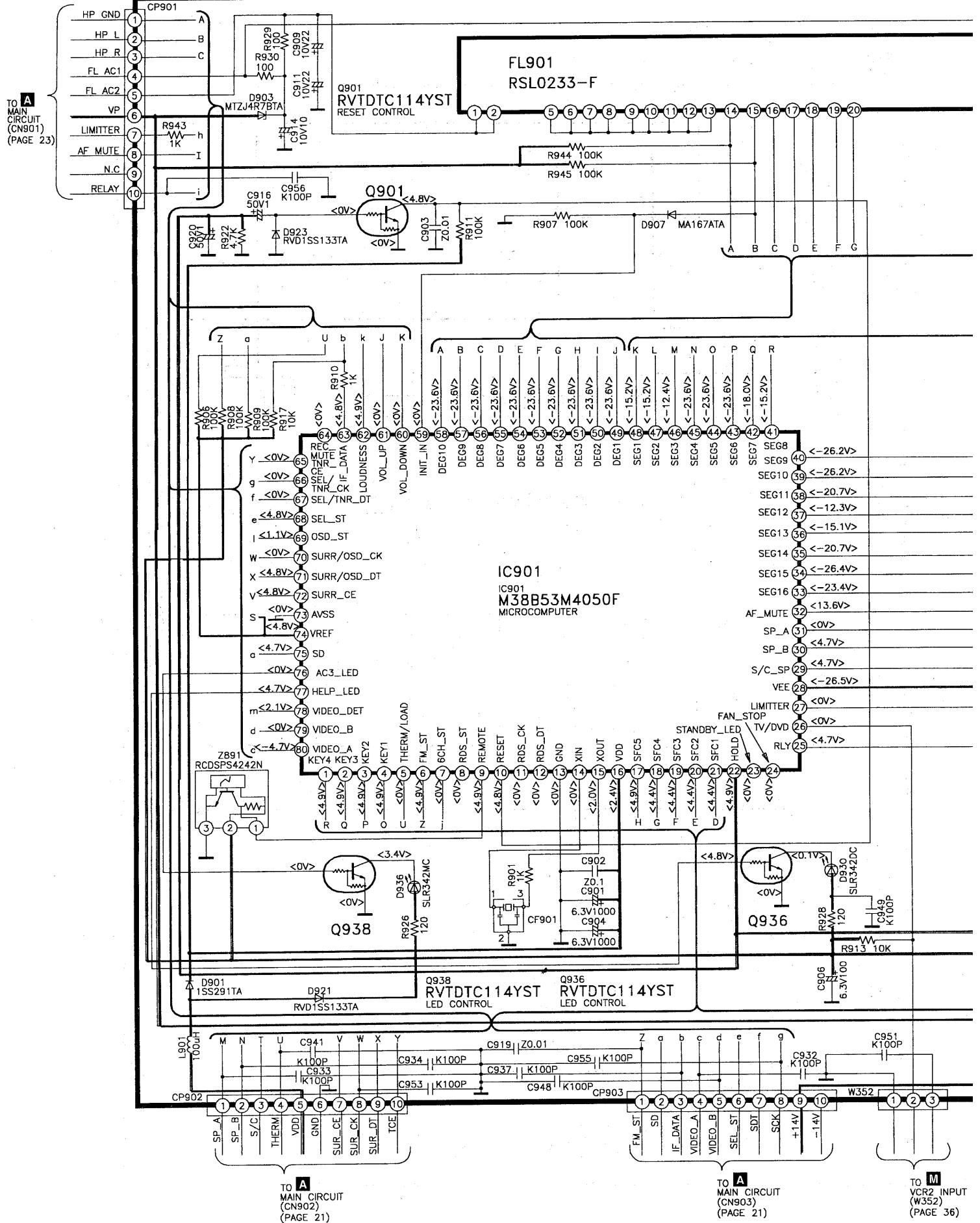
K POWER SUPPLY CIRCUIT

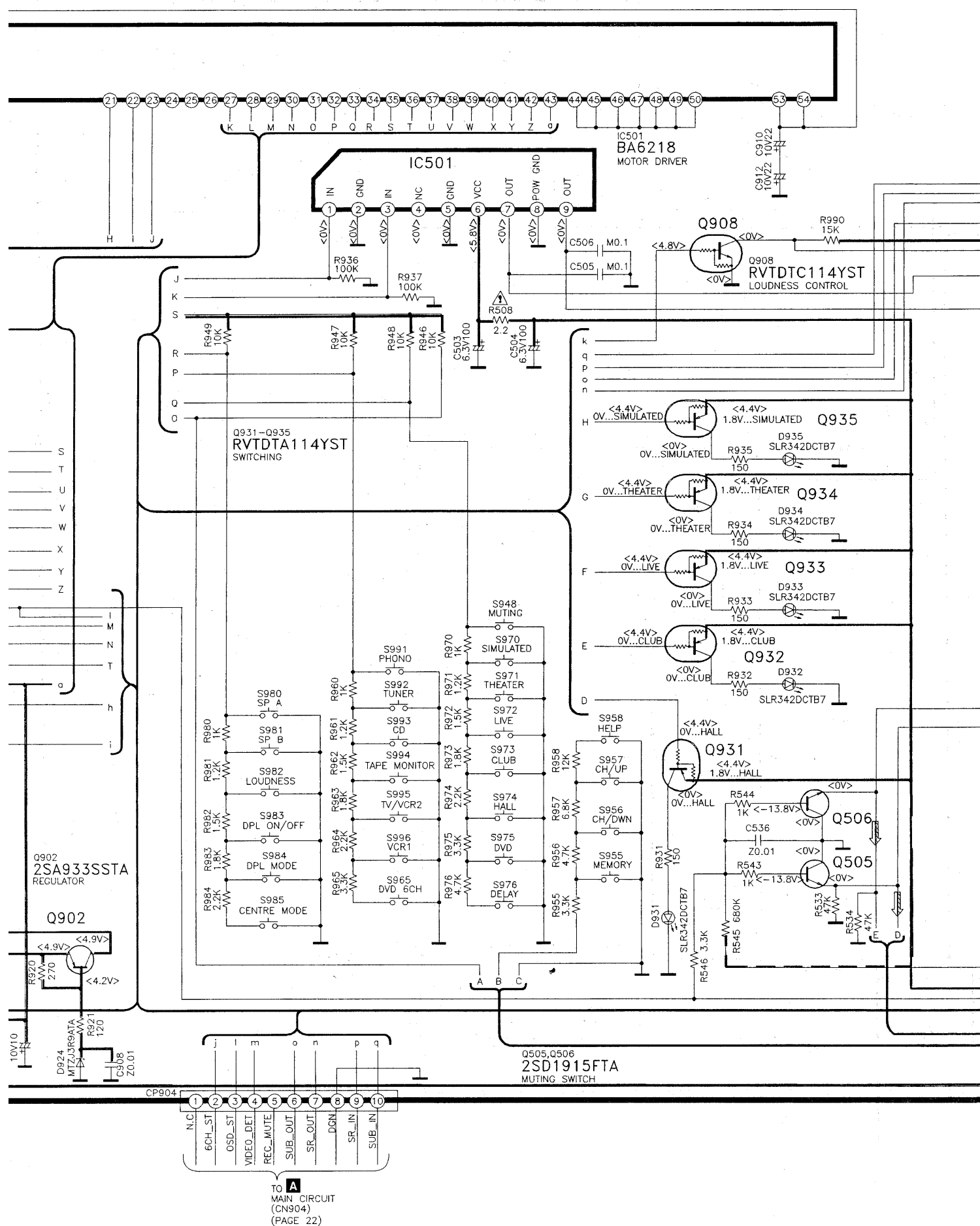


L POWER LIMITER CIRCUIT

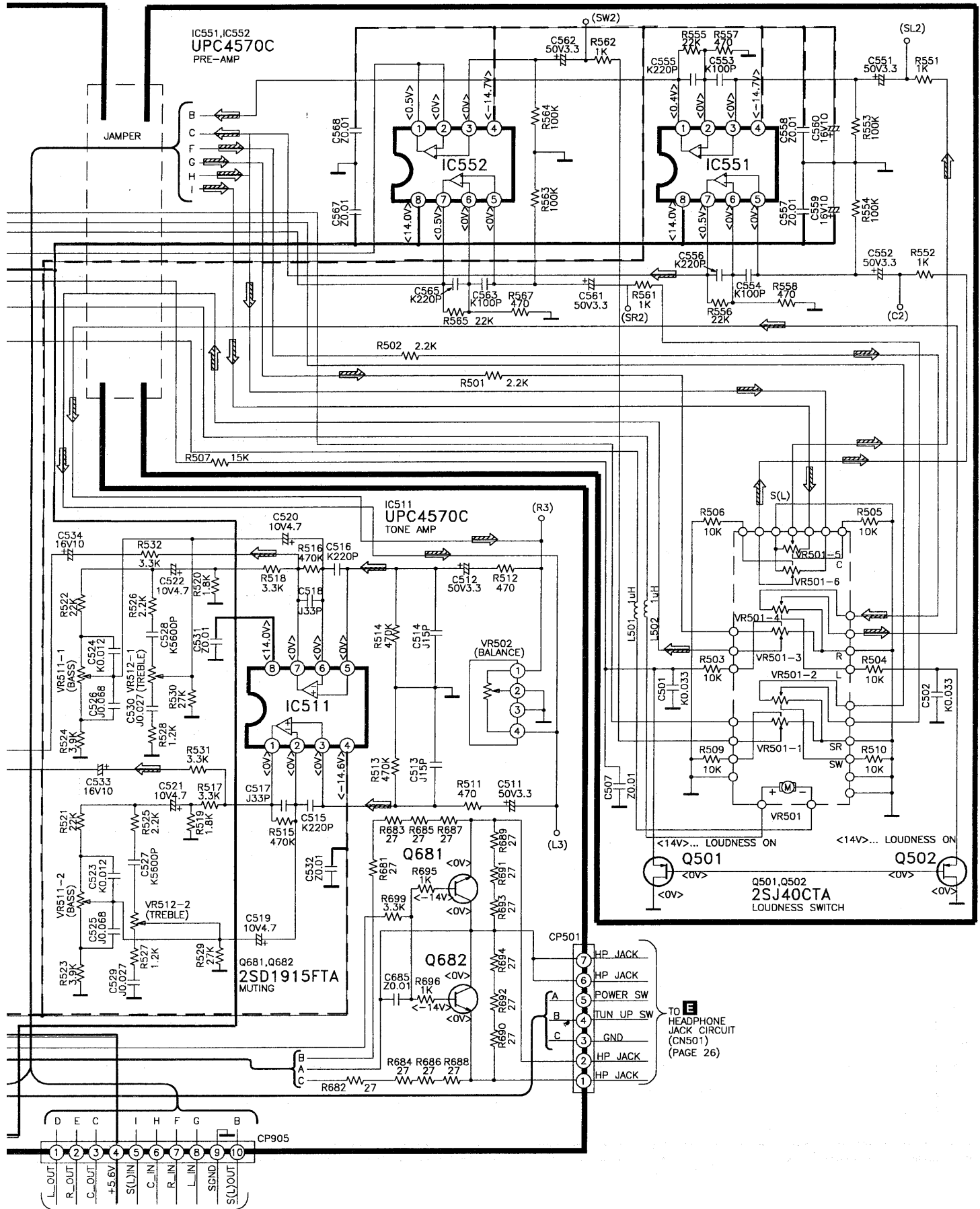


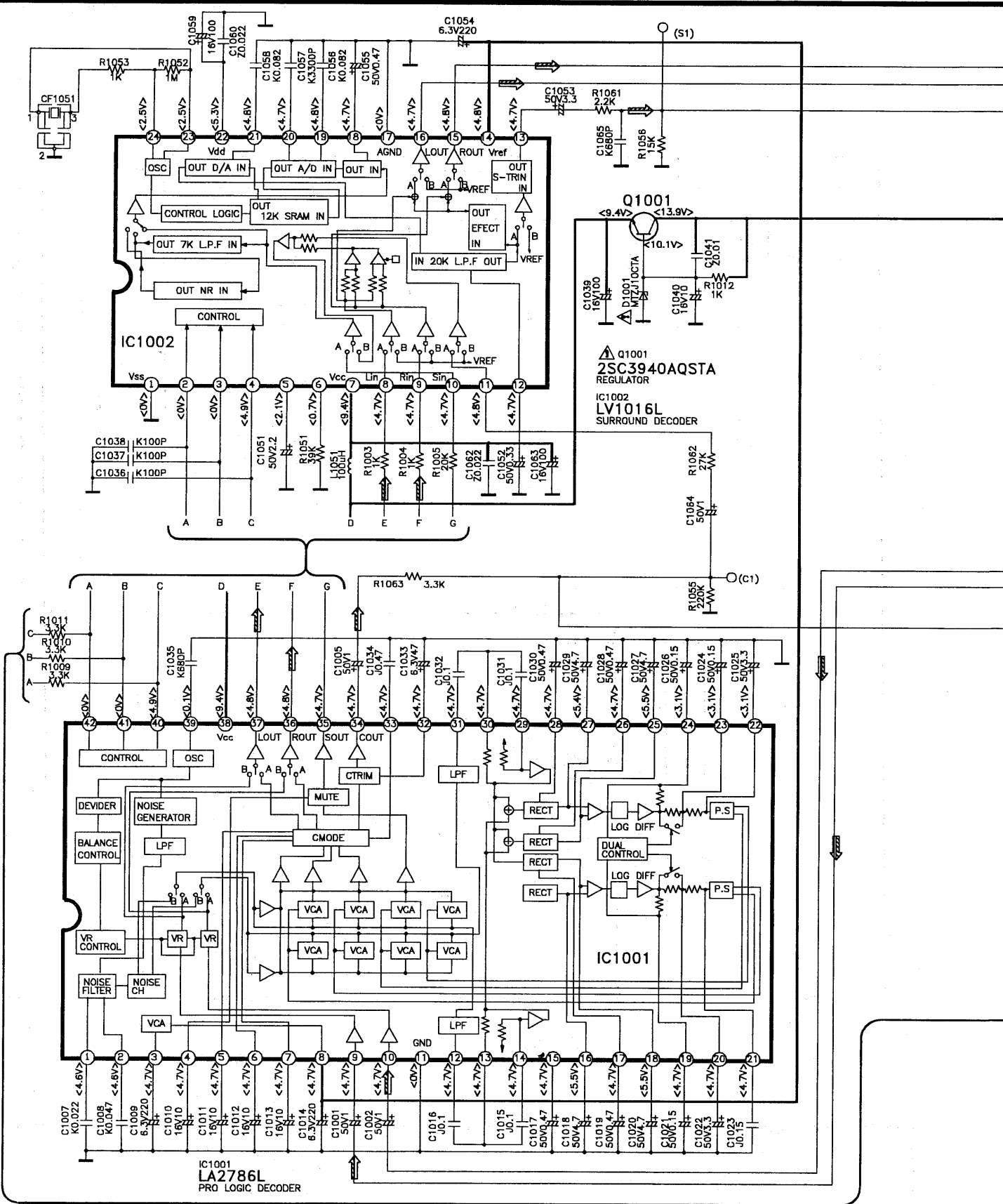
B PANEL CIRCUIT

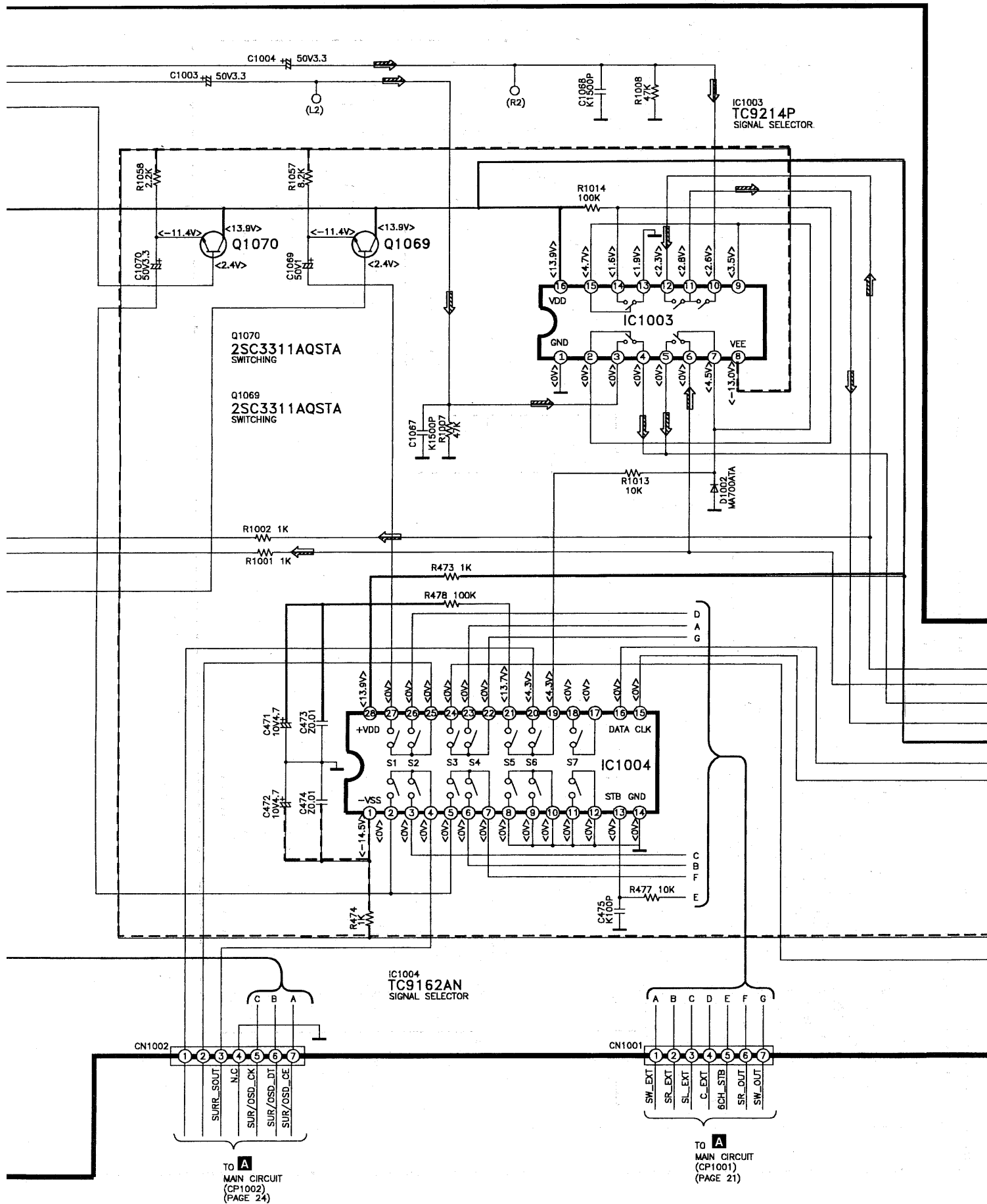


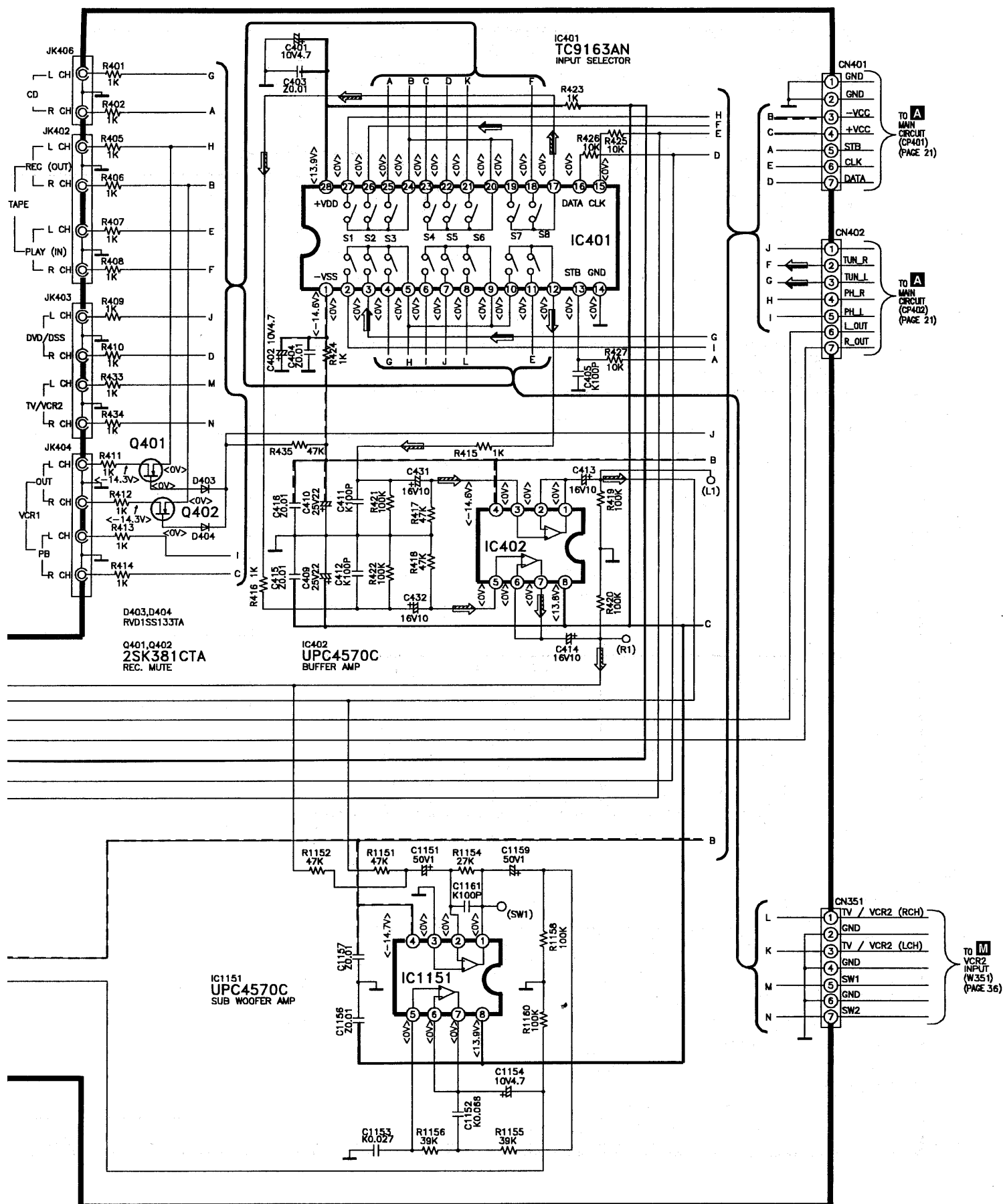


C VOLUME CIRCUIT

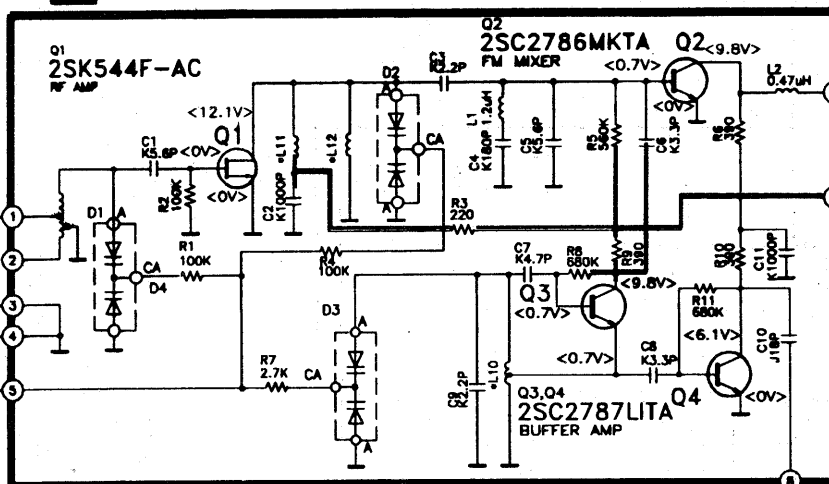




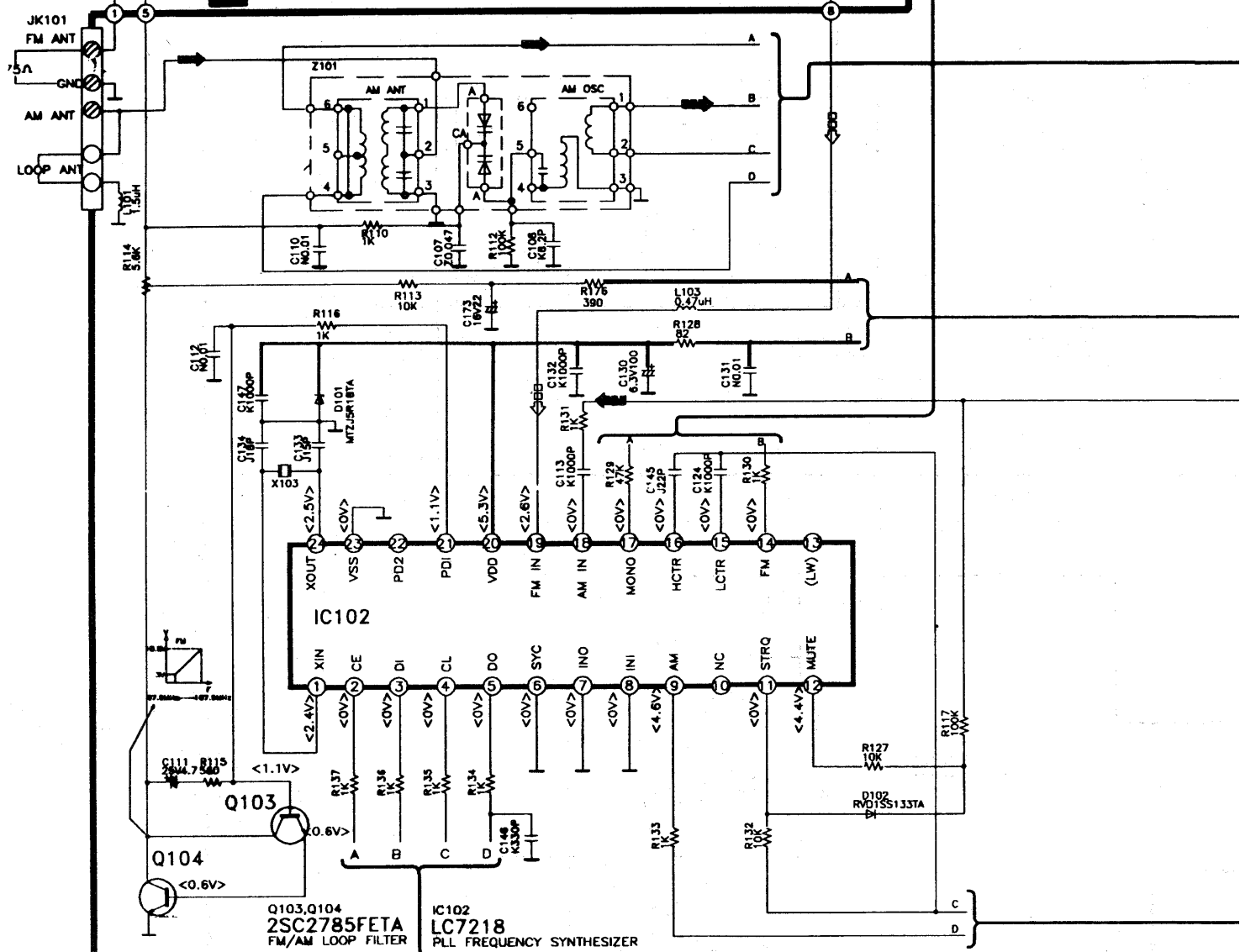


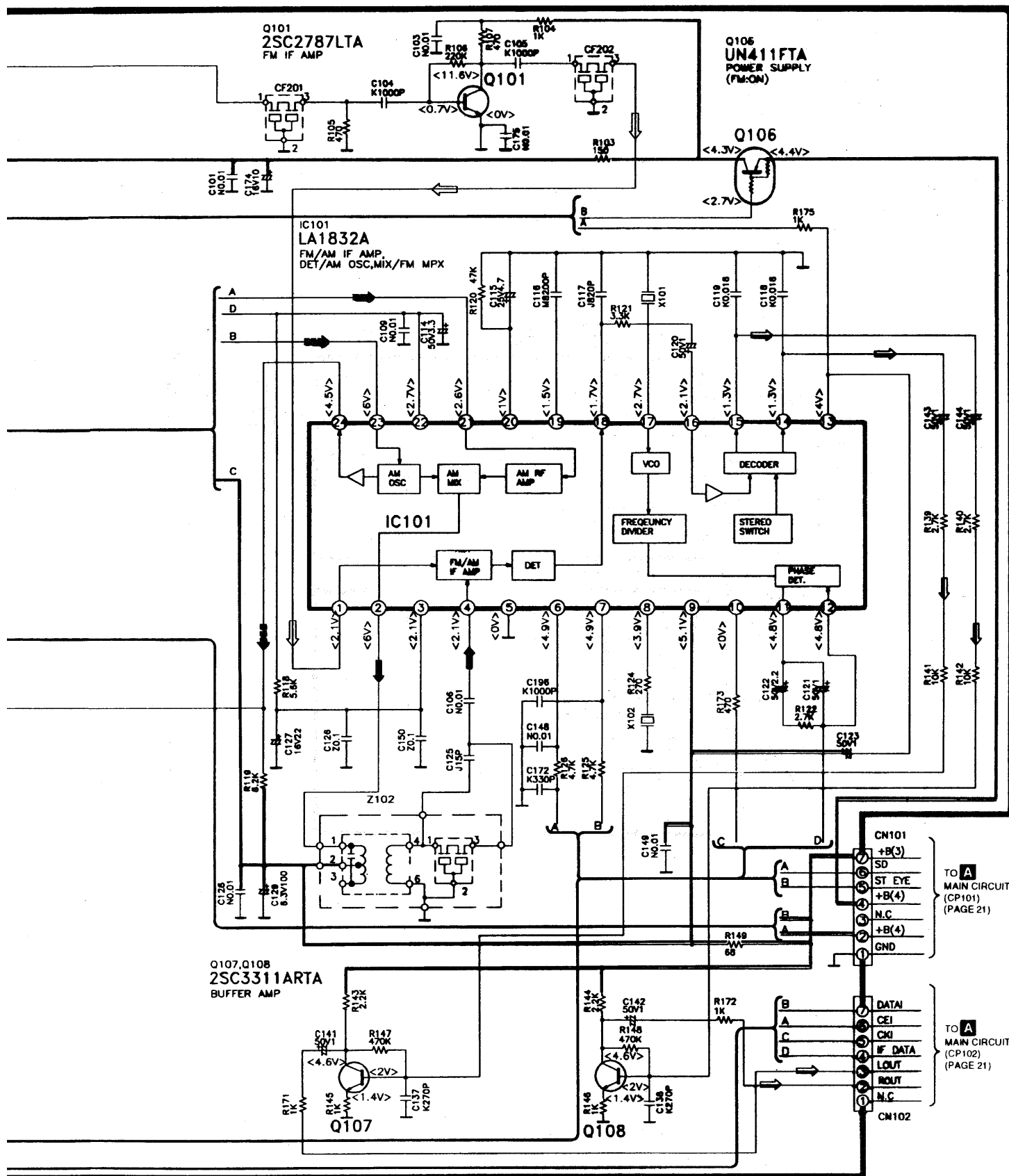


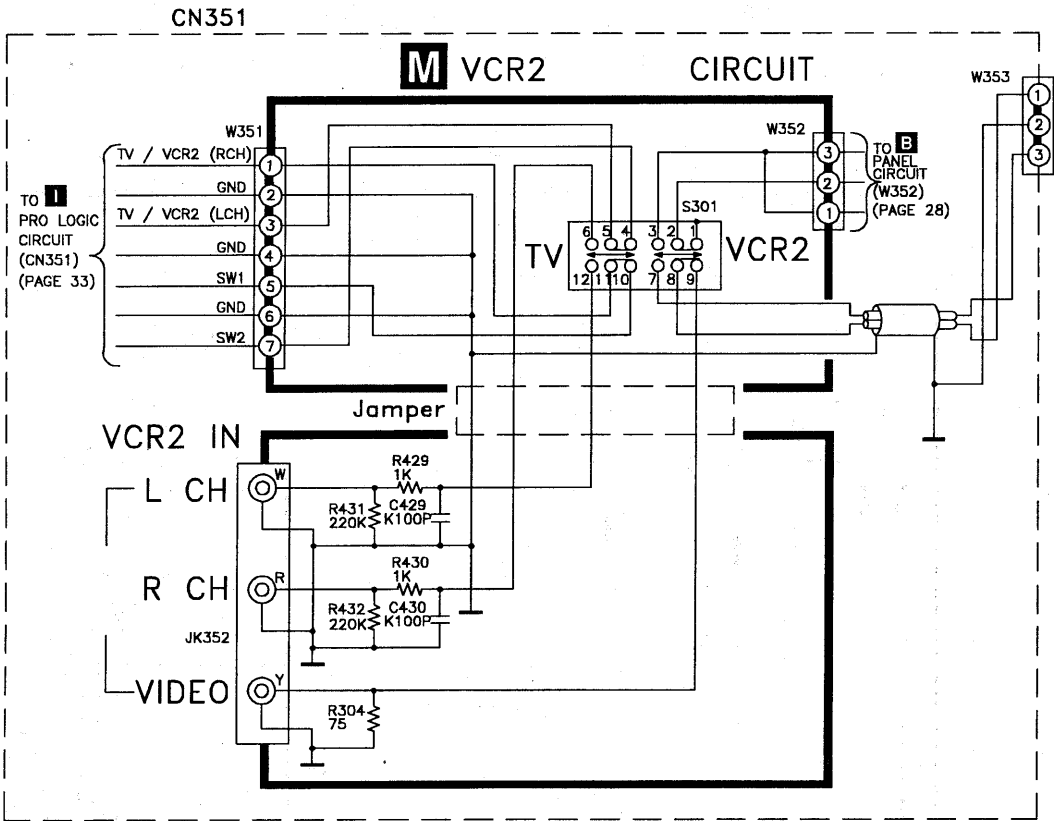
G TUNER PACK CIRCUIT



F TUNER CIRCUIT

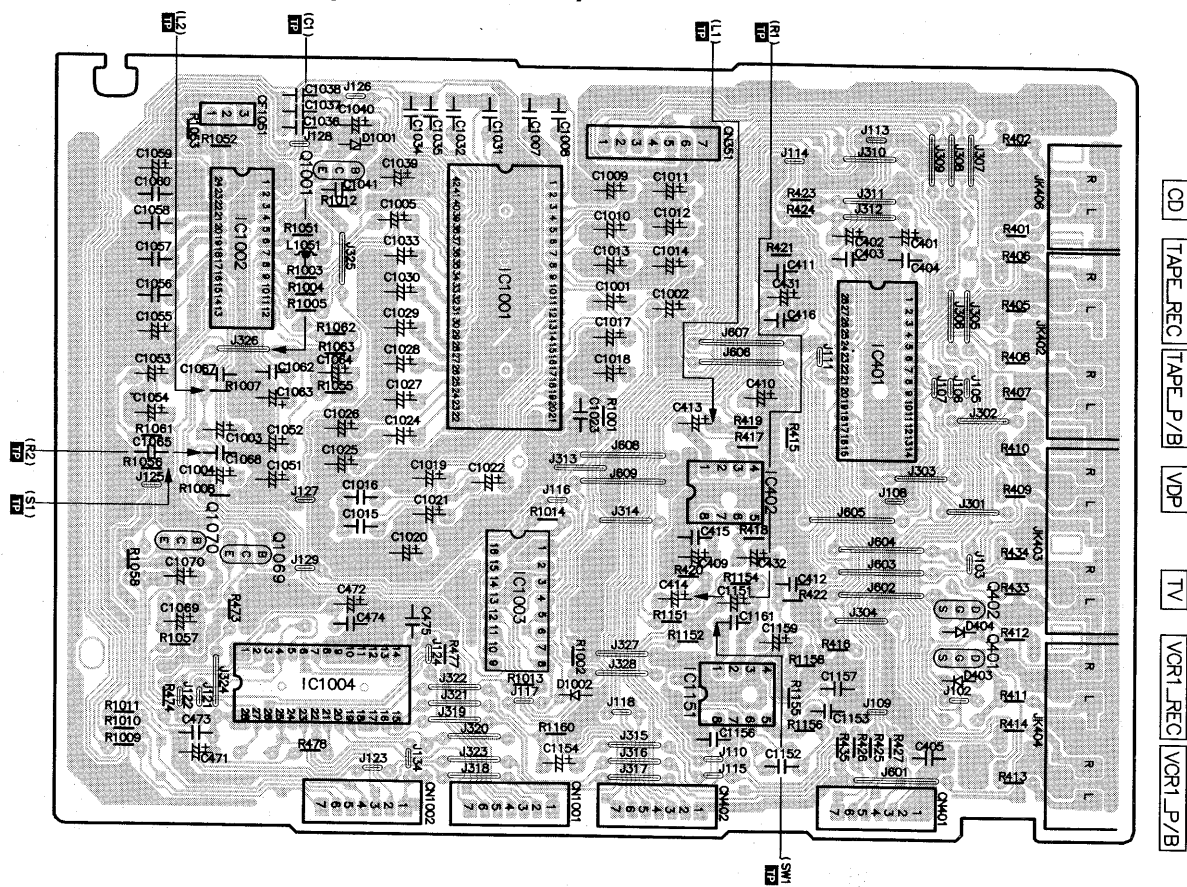




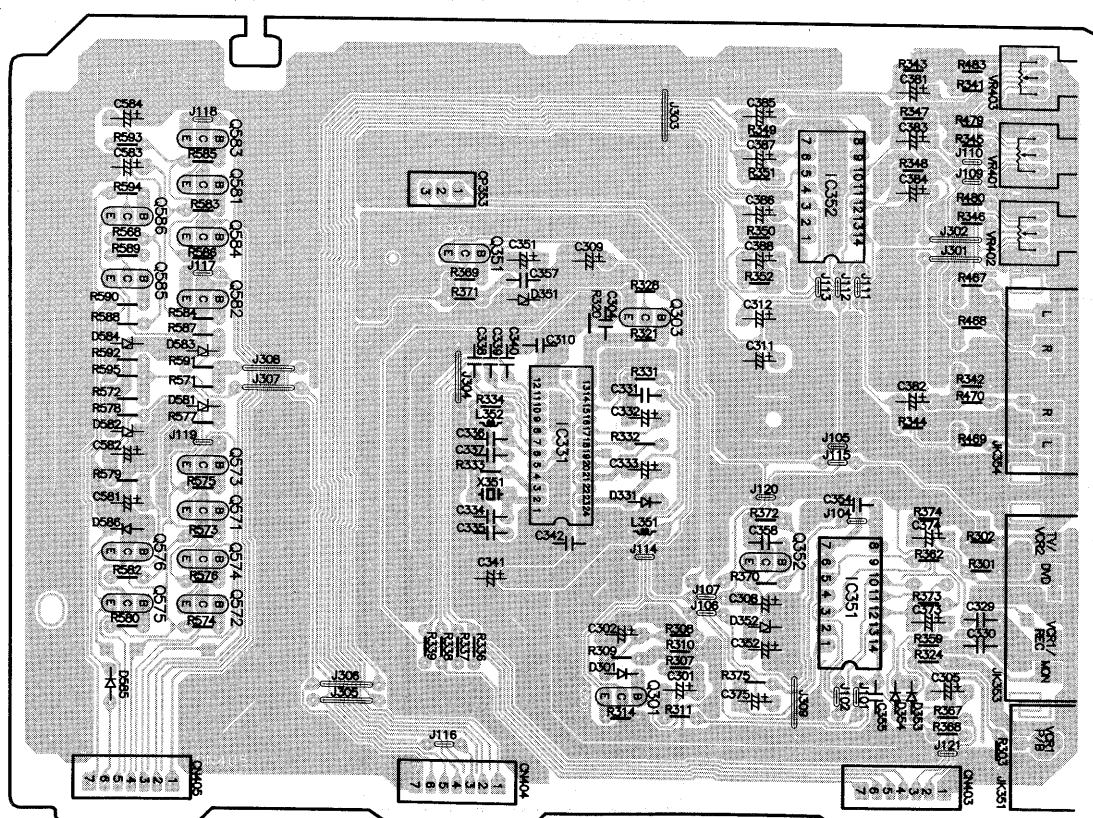


■ Printed Circuit Board

I PRO LOGIC P.C.B. (REP2443E-P)

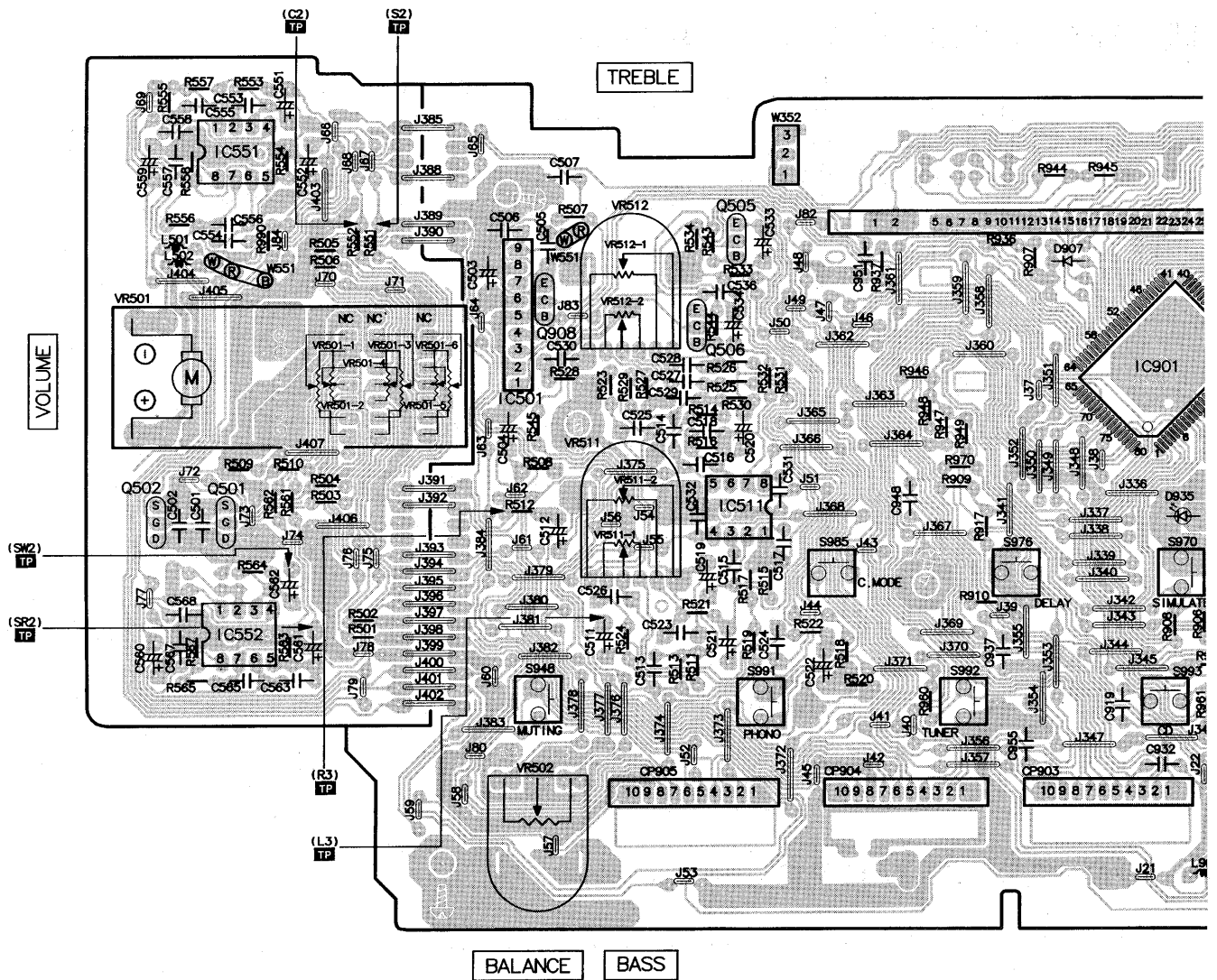


L POWER LIMITER P.C.B. (REP2466A-T)



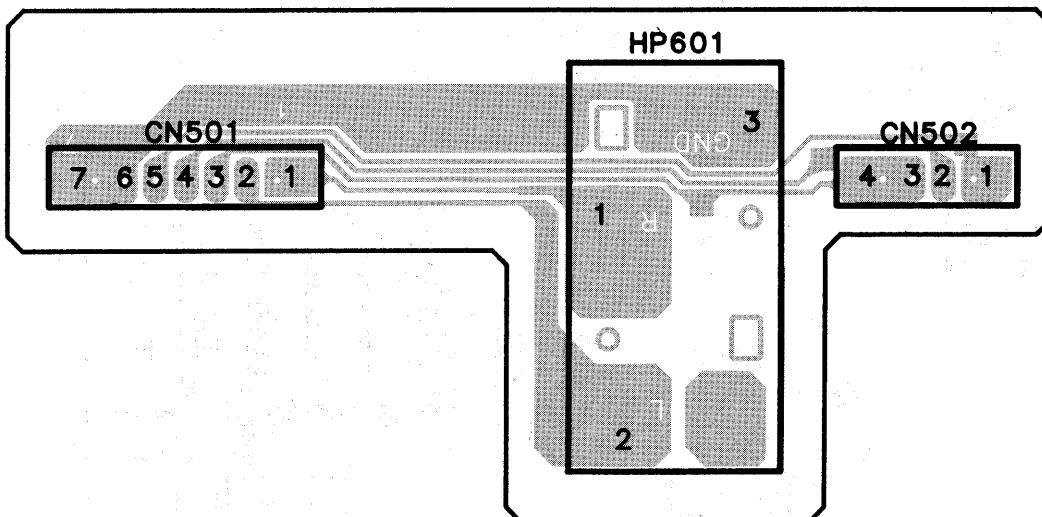
C VOLUME P.C.B. (REP2442B-S)

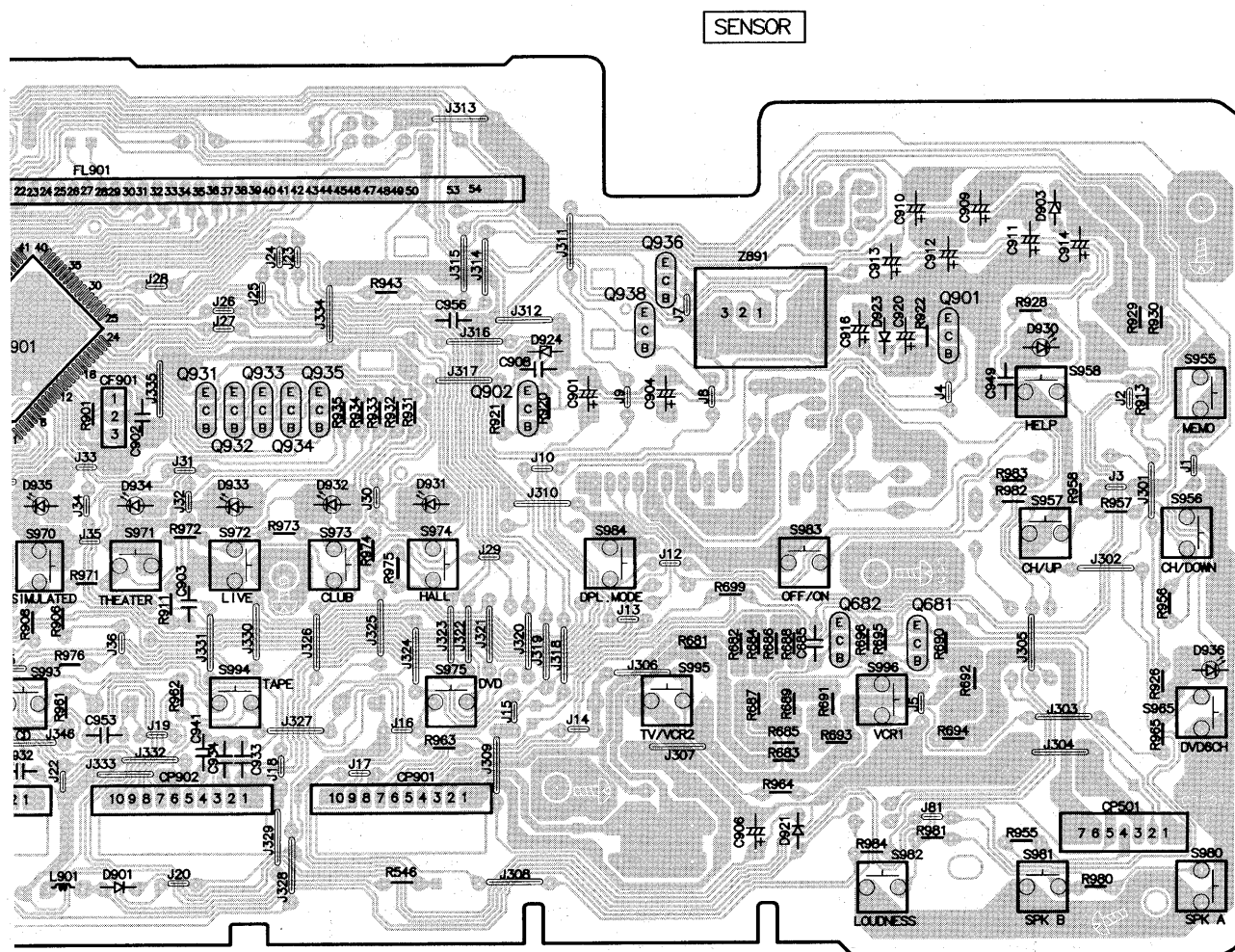
B PANEL P.C.B. (REP2442B-S)



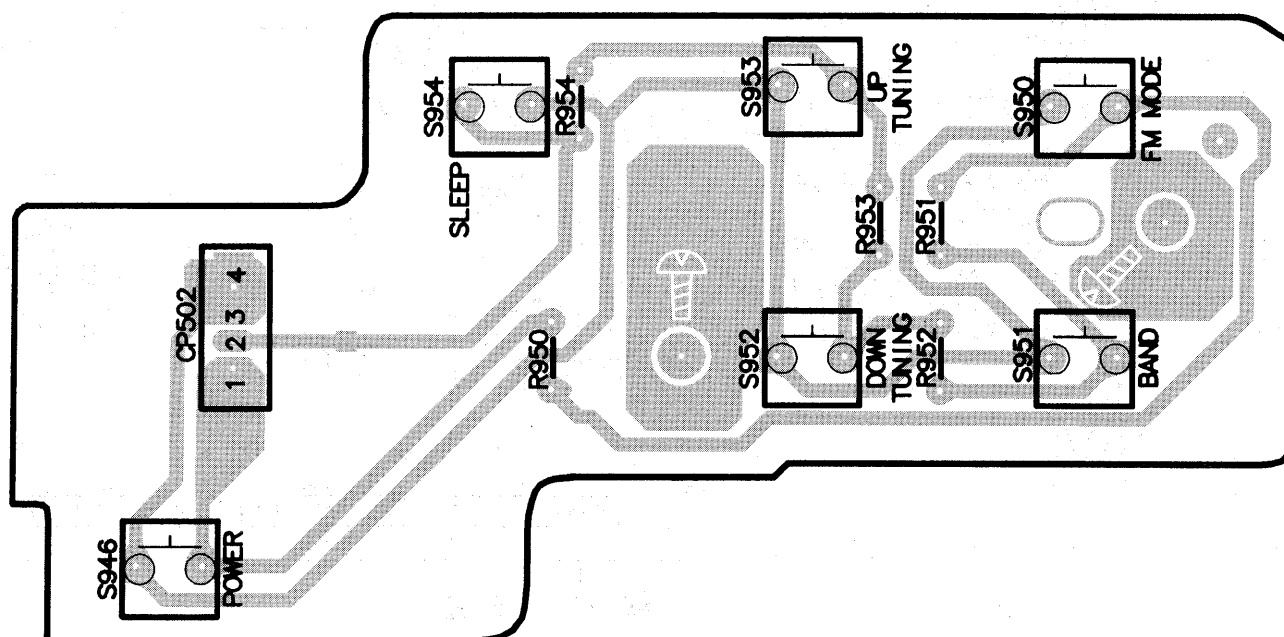
E HEADPHONE JACK P.C.B. (REP2442B-S)

PHONES

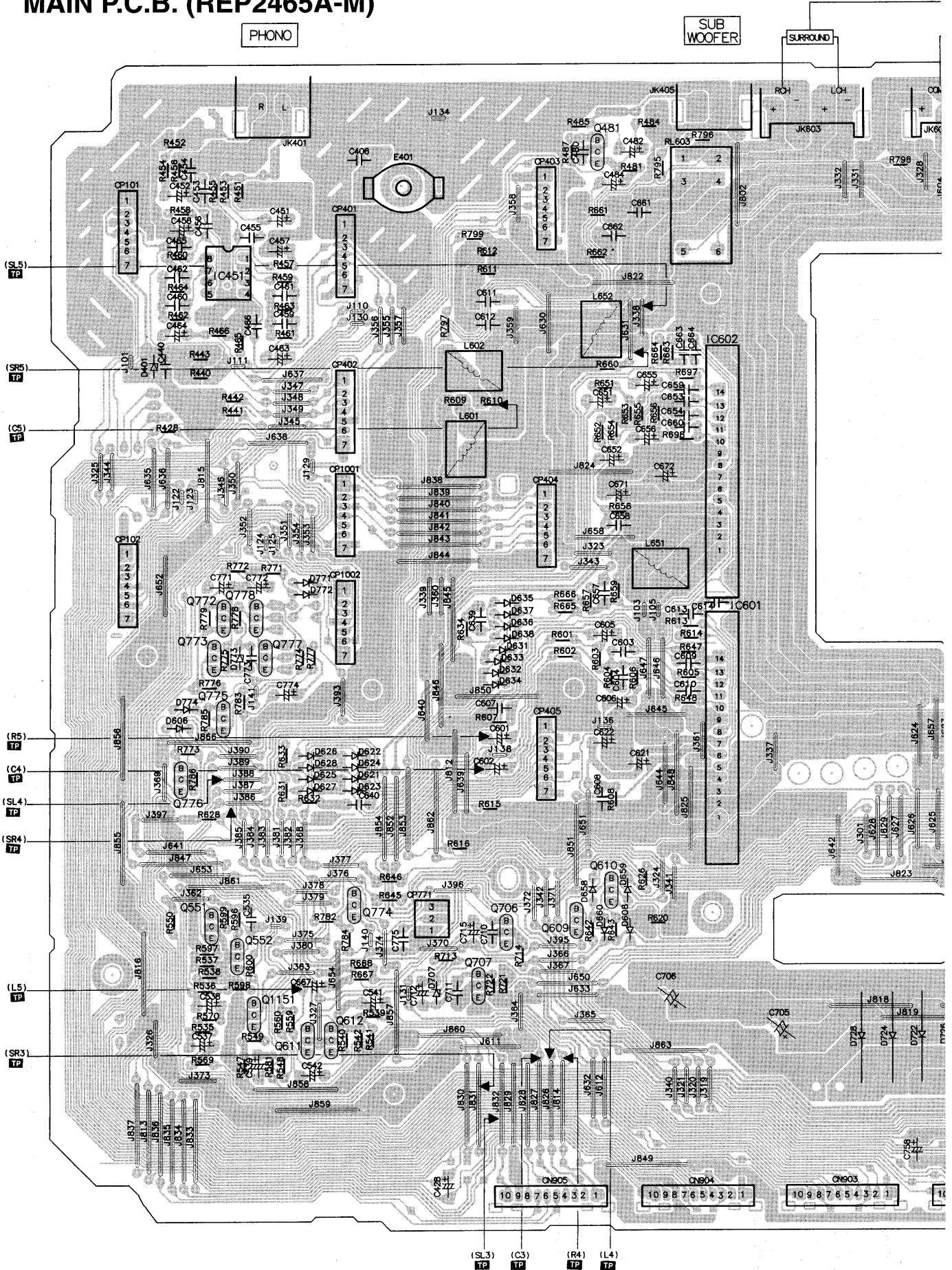


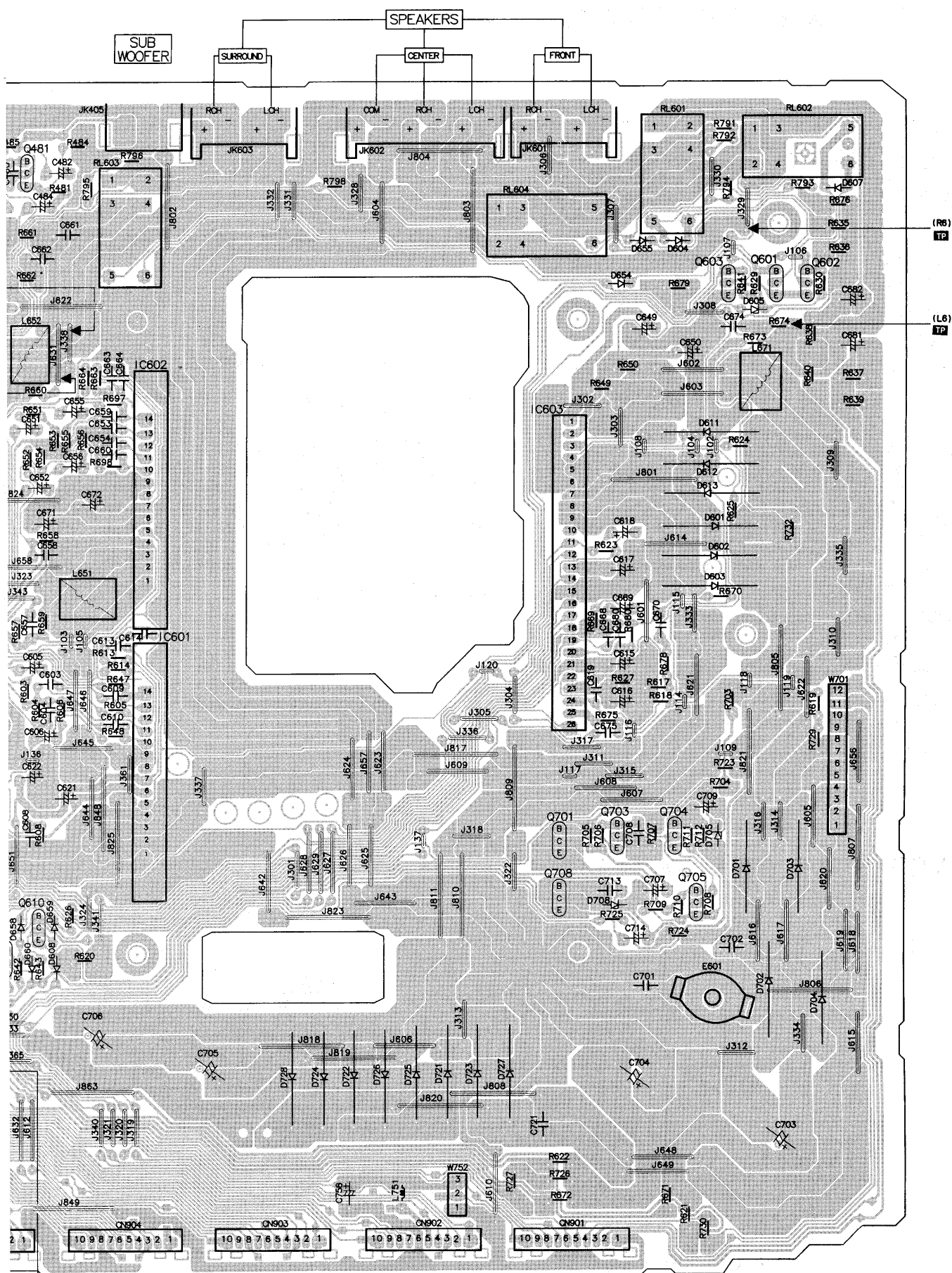


D POWER SWITCH P.C.B. (REP2442B-S)

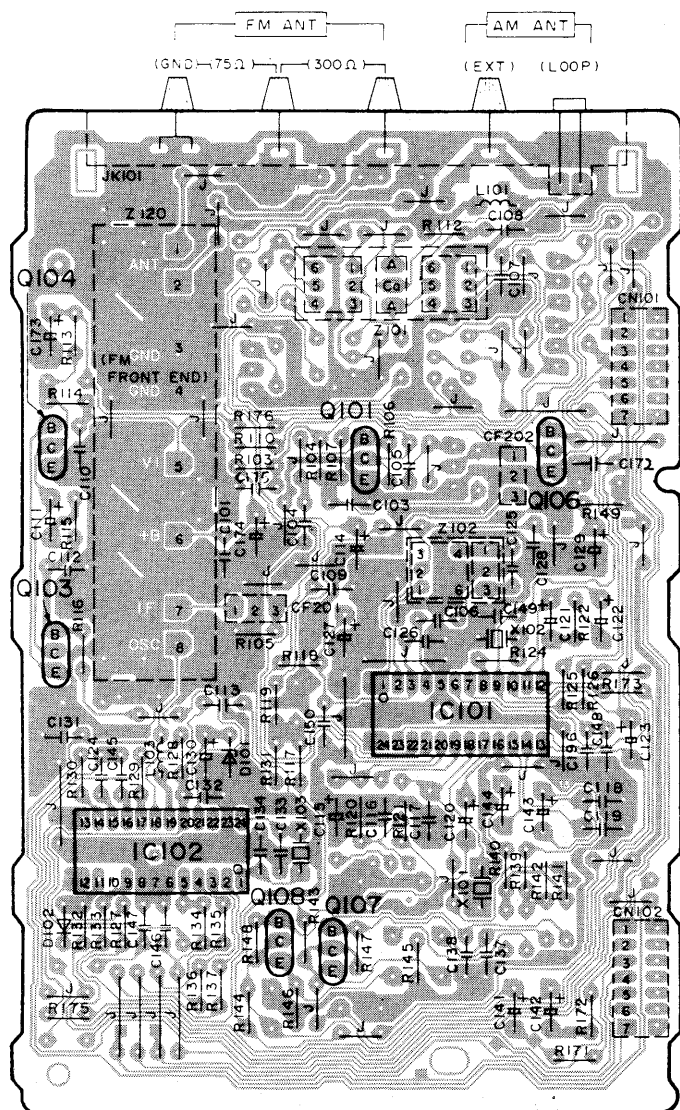


A MAIN P.C.B. (REP2465A-M)

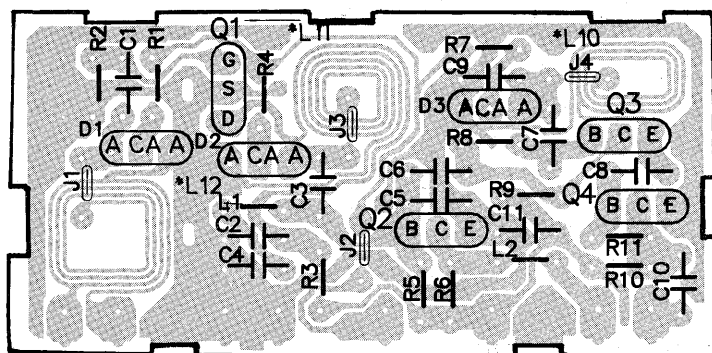




F TUNER P.C.B. (REP2254A-T)

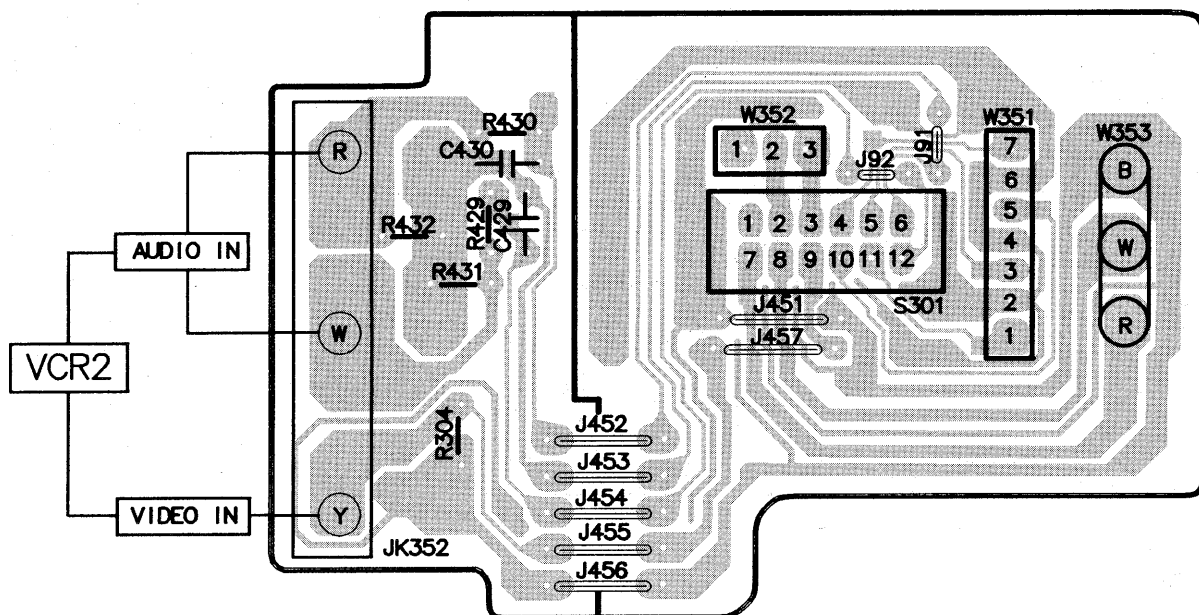


G TUNER PACK P.C.B. (REP1999B)



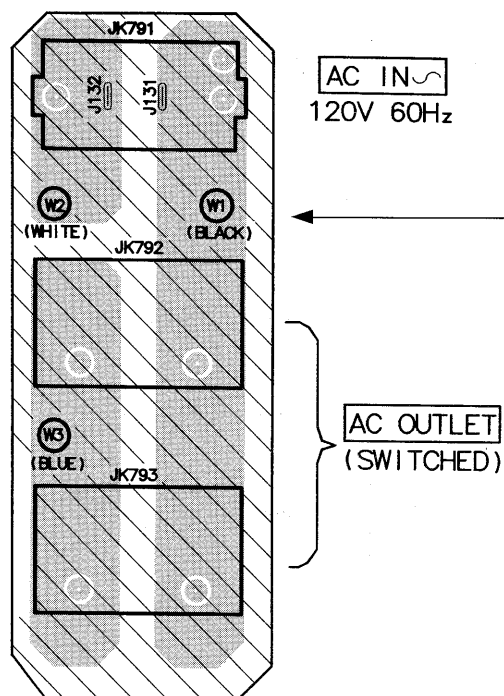
M VCR2 P.C.B. (REP2442B-S)

TV/VCR2

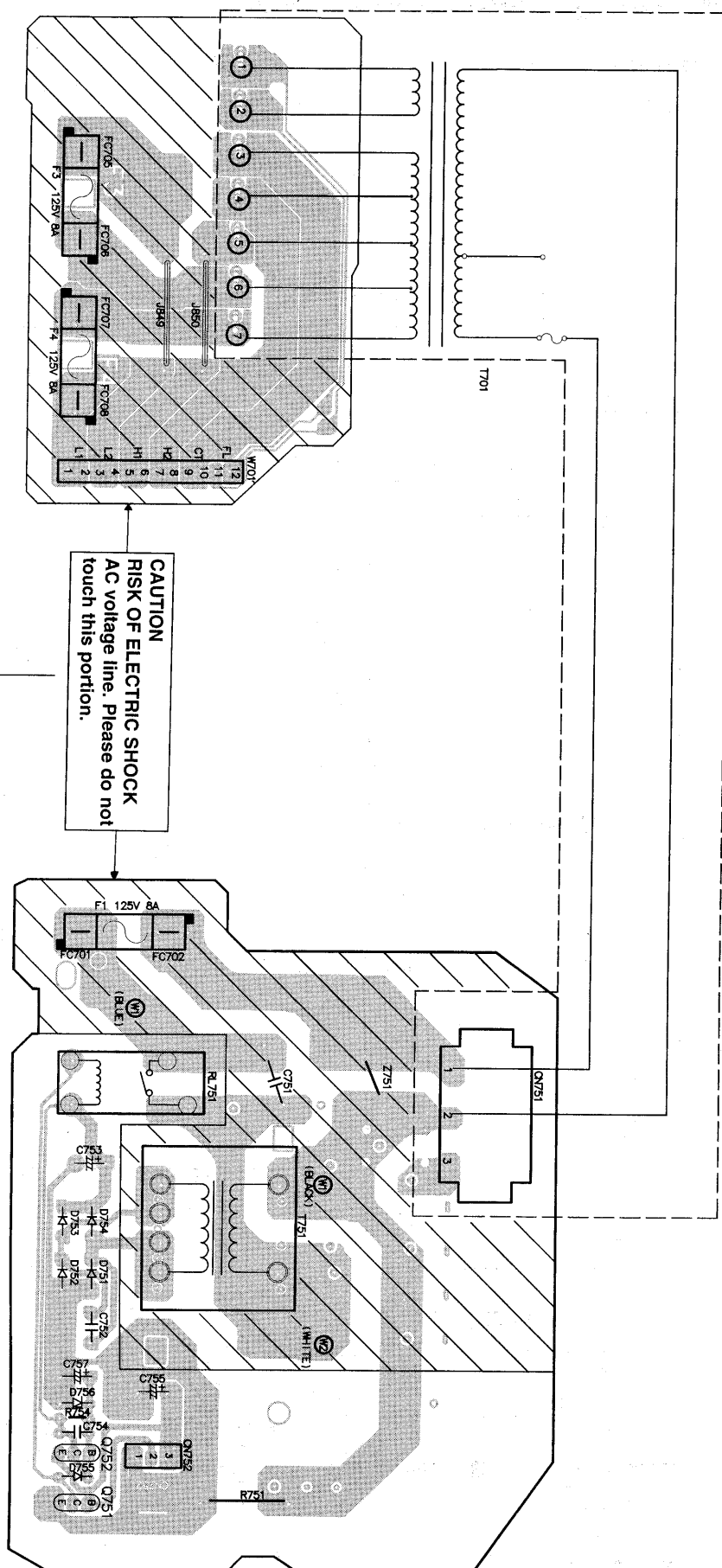


**H TRANSFORMER
P.C.B. (REP2465A-M)**

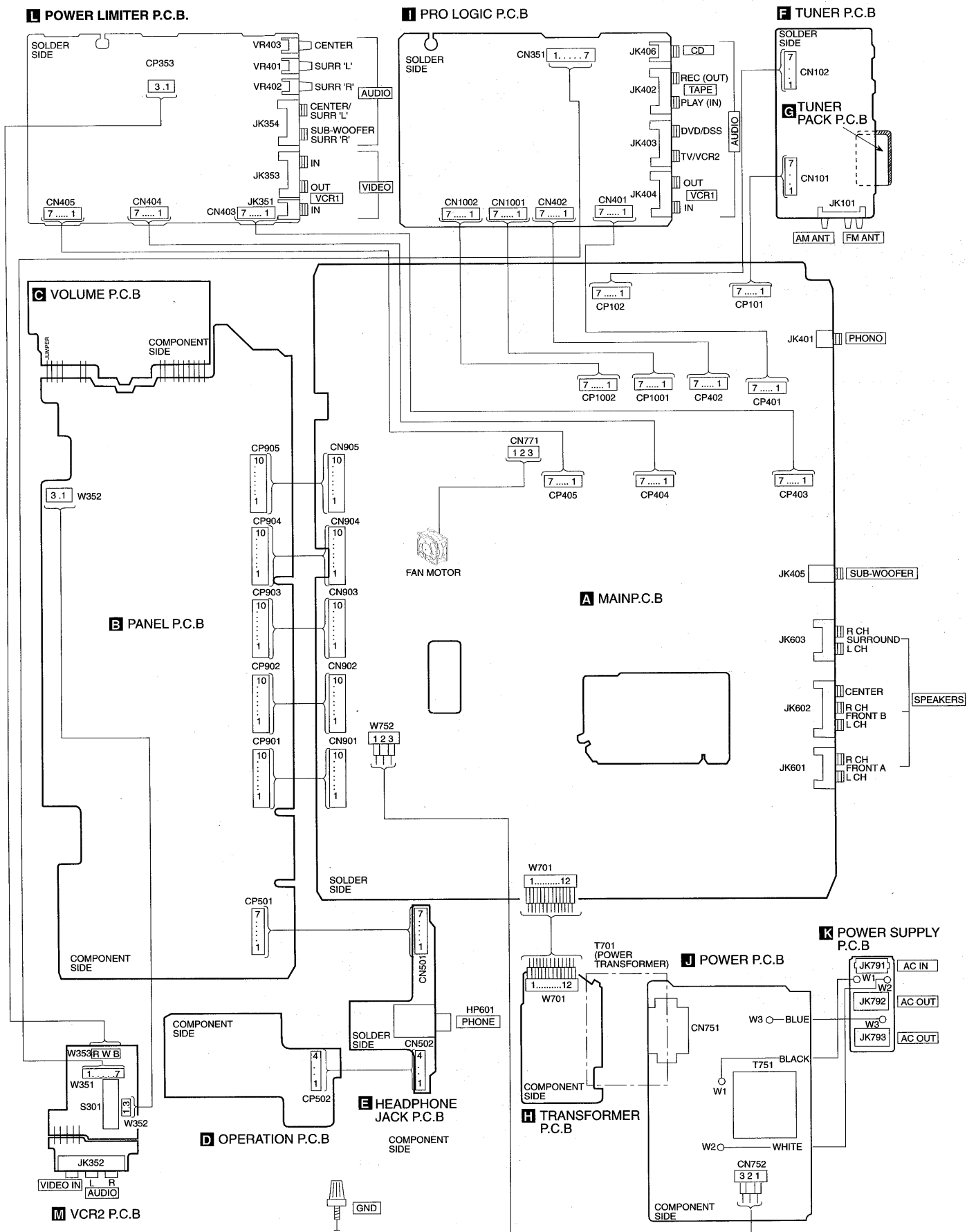
**K POWER SUPPLY
P.C.B. (REP2443E-P)**



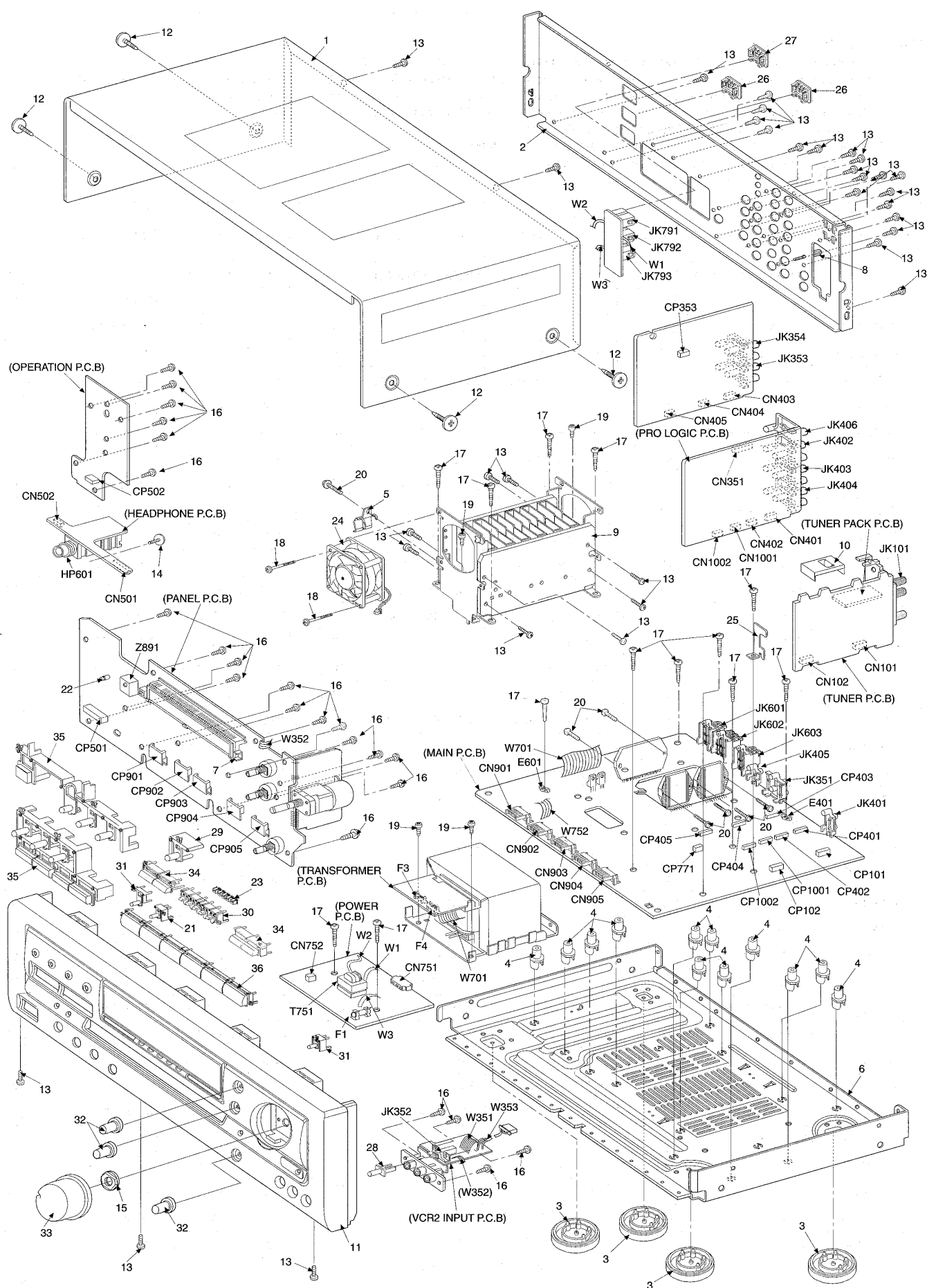
J POWER P.C.B. (REP2443E-P)



■ Wiring Connection Diagram



■ Cabinet Parts Location



■ Replacement Parts List

Notes: * Important safety notice :

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indication can be used for all areas.

* [M] in Remarks column indicates parts that are supplied by MESA.

* Remote Control Unit : Supply period for three years from terminal of production.

* The "(SF)" mark denotes the standard part.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS				INTEGRATED CIRCUITS		Q352	2SB621AQSTA	TRANSISTOR	[M] 
								Q401	2SK381CTA	TRANSISTOR	[M]
1	RKM0342-K	TOP CABINET	[M]	IC101	LA1832A	IF/MPX IC	[M]	Q402	2SK381CTA	TRANSISTOR	[M]
2	RGR0252A-E	REAR PANEL	[M]	IC102	LC7218	PLL IC	[M]	Q481	2SD1915FTA	TRANSISTOR	[M]
3	RKA0079-A	FOOT	[M]	IC331	LC74780-9080	ON SCREEN DISPLAY IC	[M]	Q501	2SJ40CTA	TRANSISTOR	[M]
4	RKQ0089	PCB HOLDER	[M]	IC351	NJM2279D	VIDEO SELECTOR SW IC	[M]	Q502	2SJ40CTA	TRANSISTOR	[M]
5	RMC0158-S	TRANSISTOR HOLDER	[M]	IC352	AN6554F	OSD AMP IC	[M]	Q505	2SD1915FTA	TRANSISTOR	[M]
6	RMK0350	BOTTOM CHASSIS	[M]	IC401	TC9163AN	SELECTOR IC	[M]	Q506	2SD1915FTA	TRANSISTOR	[M]
7	RMN0372	FL HOLDER	[M]	IC402	UPC4570C	TONE CONTROL IC	[M]	Q551	2SD1915FTA	TRANSISTOR	[M]
8	SNE2123	EARTH TERMINAL	[M]	IC451	AN6558F	OP AMP IC	[M]	Q552	2SD1915FTA	TRANSISTOR	[M]
9	RXX0182	HEAT SINK UNIT	[M]	IC501	BA6218	MOTOR DRIVER IC	[M]	Q571	2SA933SSTA	TRANSISTOR	[M]
10	RSC0027-1	SHIELD CASE	[M]	IC511	UPC4570C	TONE CONTROL IC	[M]	Q572	2SA933SSTA	TRANSISTOR	[M]
11	RFKGAAX810PK	FRONT CABINET ASS'Y	[M]	IC551	UPC4570C	TONE CONTROL IC	[M]	Q573	2SC1740SSTA	TRANSISTOR	[M]
12	SNE2129-1	SCREW (CABINET)	[M]	IC552	UPC4570C	TONE CONTROL IC	[M]	Q574	2SC1740SSTA	TRANSISTOR	[M]
13	XTBS3+8JFZ1	SCREW	[M]	IC601	RSN36S5A-P	HIC	[M] 	Q575	2SA933SSTA	TRANSISTOR	[M]
14	RHD26016	SCREW	[M]	IC602	RSN36S5A-P	HIC	[M] 	Q576	2SC1740SSTA	TRANSISTOR	[M]
15	RHN90001	M9 NUT	[M]	IC603	RSN33M5-P	HIC	[M] 	Q581	2SA933SSTA	TRANSISTOR	[M]
16	XTBS26+10J	SCREW (FRONT)	[M]	IC901	M38B53M4050F	MICROCOMPUTER	[M]	Q582	2SA933SSTA	TRANSISTOR	[M]
17	XTB3+20JFZ	SCREW	[M]	IC1001	LA2786L	DPL IC	[M]	Q583	2SC1740SSTA	TRANSISTOR	[M]
18	XTB3+30J	SCREW	[M]	IC1002	LV1016L	SURR DECODER	[M]	Q584	2SC1740SSTA	TRANSISTOR	[M]
19	XTB3+8FFZ	SCREW	[M]	IC1003	TC9214P	SELECTOR IC	[M]	Q585	2SA933SSTA	TRANSISTOR	[M]
20	XTW3+15T	SCREW	[M]	IC1004	TC9162AN	SELECTOR IC	[M]	Q586	2SA933SSTA	TRANSISTOR	[M]
21	RGU1491-Q	6CH INPUT BUTTON	[M]	IC1151	UPC4570C	TONE CONTROL IC	[M]	Q601	RVTDTA113ZST	TRANSISTOR	[M]
22	RMN0313	LED SUPPORT	[M]					Q602	RVTDTA113ZST	TRANSISTOR	[M]
23	RMN0415	LED COVER	[M]			TRANSISTORS		Q603	RVTDTA113ZST	TRANSISTOR	[M]
24	REM0069	FAN UNIT	[M]					Q609	RVTDTA113ZST	TRANSISTOR	[M]
25	RMQ0709	TUNER PCB BRACKET	[M]	Q1	2SK544F-AC	TRANSISTOR	[M]	Q610	RVTDTA113ZST	TRANSISTOR	[M]
26	SJS9233A	AC OUTLET COVER	[M]	Q2	2SC2786MTA	TRANSISTOR	[M]	Q611	2SC1740SSTA	TRANSISTOR	[M]
27	SJS9234A	AC INLET COVER	[M]	Q3	2SC2787FL1TA	TRANSISTOR	[M]	Q612	2SC1740SSTA	TRANSISTOR	[M]
28	RGU1390-K	VCR2 BUTTON	[M]	Q4	2SC2787FL1TA	TRANSISTOR	[M]	Q681	2SD1915FTA	TRANSISTOR	[M]
29	RGU1398-Q	HELP BUTTON	[M]	Q101	2SC2787LTA	TRANSISTOR	[M]	Q682	2SD1915FTA	TRANSISTOR	[M]
30	RGU1490-Q	SFC (5) BUTTON	[M]	Q103	2SC2785FETA	TRANSISTOR	[M]	Q701	2SD2374PQAU	TRANSISTOR	[M] 
31	RGU1492-K	SLEEP/MUTE BUTTON	[M]	Q104	2SC2785FETA	TRANSISTOR	[M]	Q703	2SC1740SSTA	TRANSISTOR	[M] 
32	RGW0216-K	TONE KNOB	[M]	Q106	UN411FTA	TRANSISTOR	[M]	Q704	2SC1740SSTA	TRANSISTOR	[M] 
33	RGW0243A-K	VOLUME KNOB	[M]	Q107	2SC3311ARTA	TRANSISTOR	[M]	Q705	2SC1740SSTA	TRANSISTOR	[M] 
34	RGU1352J-K	DOLBY BUTTON	[M]	Q108	2SC3311ARTA	TRANSISTOR	[M]	Q706	2SC3940AQSTA	TRANSISTOR	[M]
35	RGU1350E-K	MODE BUTTON	[M]	Q301	2SC1740SSTA	TRANSISTOR	[M]	Q707	2SA1534AQRTA	TRANSISTOR	[M] 
36	RGU1389A-K	SELECTOR BUTTON	[M]	Q303	2SC1740SSTA	TRANSISTOR	[M]	Q708	2SB1548PQAU	TRANSISTOR	[M] 
				Q351	2SD592AQSTA	TRANSISTOR	[M] 	Q751	RVTDTA143XST	TRANSISTOR	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
Q752	2SC3940AQSTA	TRANSISTOR	[M] / !	D604	RVD1SS133TA	DIODE	[M]	D755	RVD1SS133TA	DIODE	[M] / !
Q772	2SC1740SSTA	TRANSISTOR	[M]	D605	MTZJ6R2BTA	DIODE	[M]	D756	MTZJ6R8BTA	DIODE	[M] / !
Q773	2SB621AQRSTA	TRANSISTOR	[M]	D606	RVD1SS133TA	DIODE	[M]	D771	RVD1SS133TA	DIODE	[M]
Q774	RVTDTA114EST	TRANSISTOR	[M]	D607	RVD1SS133TA	DIODE	[M]	D772	RVD1SS133TA	DIODE	[M]
Q775	2SA933SSTA	TRANSISTOR	[M]	D608	RVD1SS133TA	DIODE	[M]	D773	MTZJ12CTA	DIODE	[M]
Q776	2SC1740SSTA	TRANSISTOR	[M]	D611	SB360L6508	DIODE	[M] / !	D774	RVD1SS133TA	DIODE	[M]
Q777	2SA933SSTA	TRANSISTOR	[M]	D612	SB360L6508	DIODE	[M] / !	D901	1SS291TA	DIODE	[M]
Q778	RVTDTA114TST	TRANSISTOR	[M]	D613	SB360L6508	DIODE	[M] / !	D903	MTZJ4R7BTA	DIODE	[M]
Q901	RVTDTA114YST	TRANSISTOR	[M]	D621	MA167ATA	DIODE	[M]	D907	MA167ATA	DIODE	[M]
Q902	2SA933SSTA	TRANSISTOR	[M]	D622	MA167ATA	DIODE	[M]	D921	RVD1SS133TA	DIODE	[M]
Q908	RVTDTA114YST	TRANSISTOR	[M]	D623	MA167ATA	DIODE	[M]	D923	RVD1SS133TA	DIODE	[M]
Q931	RVTDTA114YST	TRANSISTOR	[M]	D624	MA167ATA	DIODE	[M]	D924	MTZJ3R9ATA	DIODE	[M]
Q932	RVTDTA114YST	TRANSISTOR	[M]	D625	MA167ATA	DIODE	[M]	D930	SLR342DC	DIODE	[M]
Q933	RVTDTA114YST	TRANSISTOR	[M]	D626	MA167ATA	DIODE	[M]	D931	SLR342DCTB7	DIODE	[M]
Q934	RVTDTA114YST	TRANSISTOR	[M]	D627	MA167ATA	DIODE	[M]	D932	SLR342DCTB7	DIODE	[M]
Q935	RVTDTA114YST	TRANSISTOR	[M]	D628	MA167ATA	DIODE	[M]	D933	SLR342DCTB7	DIODE	[M]
Q936	RVTDTA114YST	TRANSISTOR	[M]	D631	MA167ATA	DIODE	[M]	D934	SLR342DCTB7	DIODE	[M]
Q938	RVTDTA114YST	TRANSISTOR	[M]	D632	MA167ATA	DIODE	[M]	D935	SLR342DCTB7	DIODE	[M]
Q1001	2SC3940AQSTA	TRANSISTOR	[M] / !	D633	MA167ATA	DIODE	[M]	D936	SLR342MC	DIODE	[M]
Q1069	2SC3311AQSTA	TRANSISTOR	[M]	D634	MA167ATA	DIODE	[M]	D1001	MTZJ10CTA	DIODE	[M]
Q1070	2SC3311AQSTA	TRANSISTOR	[M]	D635	MA167ATA	DIODE	[M]	D1002	MA700ATA	DIODE	[M]
Q1151	2SD1915FTA	TRANSISTOR	[M]	D636	MA167ATA	DIODE	[M]				
				D637	MA167ATA	DIODE	[M]			VARIABLE RESISTORS	
		DIODES		D638	MA167ATA	DIODE	[M]				
				D654	RVD1SS133TA	DIODE	[M]	VR401	EVUE3AE20B15	VARIABLE RESISTOR	[M]
D1	SVC211SPA-AL	DIODE	[M]	D655	RVD1SS133TA	DIODE	[M]	VR402	EVUE3AE20B15	VARIABLE RESISTOR	[M]
D2	SVC211SPA-AL	DIODE	[M]	D658	RVD1SS133TA	DIODE	[M]	VR403	EVUE3AE20B15	VARIABLE RESISTOR	[M]
D3	SVC211SPA-AL	DIODE	[M]	D659	RVD1SS133TA	DIODE	[M]	VR501	EUWM6A026B15	MOTOR VOLUME	[M]
D101	MTZJ5R1BTA	DIODE	[M]	D660	RVD1SS133TA	DIODE	[M]	VR502	EWCOYAF15G15	BALANCE CONTROL VR	[M]
D102	RVD1SS133TA	DIODE	[M]	D701	P300DLF	DIODE	[M] / !	VR511	EWCI1XA020C15	TONE CONTROL VR	[M]
D301	RVD1SS133TA	DIODE	[M]	D702	P300DLF	DIODE	[M] / !	VR512	EWCI1XA020C15	TONE CONTROL VR	[M]
D331	RVD1SS133TA	DIODE	[M]	D703	P300DLF	DIODE	[M] / !				
D351	MTZJ5R6BTA	DIODE	[M] / !	D704	P300DLF	DIODE	[M] / !			SWITCHES	
D352	MTZJ5R6BTA	DIODE	[M] / !	D705	MTZJ6R2BTA	DIODE	[M] / !				
D353	RVD1SS133TA	DIODE	[M]	D707	MTZJ27DTA	DIODE	[M] / !	S301	RSP2D009-J	SWITCH	[M]
D354	RVD1SS133TA	DIODE	[M]	D708	MTZJ15CTA	DIODE	[M] / !	S946	EVQ21405R	TACK SWITCH	[M]
D401	MTZJ7R5CTA	DIODE	[M]	D721	P300DLF	DIODE	[M] / !	S948	EVQ21405R	TACK SWITCH	[M]
D403	RVD1SS133TA	DIODE	[M]	D722	P300DLF	DIODE	[M] / !	S950	EVQ21405R	TACK SWITCH	[M]
D404	RVD1SS133TA	DIODE	[M]	D723	P300DLF	DIODE	[M] / !	S951	EVQ21405R	TACK SWITCH	[M]
D581	MTZJ3R0ATA	DIODE	[M]	D724	P300DLF	DIODE	[M] / !	S952	EVQ21405R	TACK SWITCH	[M]
D582	MTZJ3R0ATA	DIODE	[M]	D725	P300DLF	DIODE	[M] / !	S953	EVQ21405R	TACK SWITCH	[M]
D583	MTZJ3R0ATA	DIODE	[M]	D726	P300DLF	DIODE	[M] / !	S954	EVQ21405R	TACK SWITCH	[M]
D584	MTZJ3R0ATA	DIODE	[M]	D727	P300DLF	DIODE	[M] / !	S955	EVQ21405R	TACK SWITCH	[M]
D585	RVD1SS133TA	DIODE	[M]	D728	P300DLF	DIODE	[M] / !	S956	EVQ21405R	TACK SWITCH	[M]
D586	RVD1SS133TA	DIODE	[M]	D751	1SR35200TB	DIODE	[M] / !	S957	EVQ21405R	TACK SWITCH	[M]
D601	SB360L6508	DIODE	[M] / !	D752	1SR35200TB	DIODE	[M] / !	S958	EVQ21405R	TACK SWITCH	[M]
D602	SB360L6508	DIODE	[M] / !	D753	1SR35200TB	DIODE	[M] / !	S965	EVQ21405R	TACK SWITCH	[M]
D603	SB360L6508	DIODE	[M] / !	D754	1SR35200TB	DIODE	[M] / !	S970	EVQ21405R	TACK SWITCH	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
S971	EVQ21405R	TACK SWITCH	[M]	CP501	RJT100W07	7P CONNECTOR	[M]	OSCILLATORS			
S972	EVQ21405R	TACK SWITCH	[M]	CP502	RJT100W04	4P CONNECTOR	[M]				
S973	EVQ21405R	TACK SWITCH	[M]	CP771	RJP3G4YA	CONNECTOR	[M]	X101	RSXZ456KM07M	CERAMIC OSCILLATOR	[M]
S974	EVQ21405R	TACK SWITCH	[M]	CP901	RJT003K010M1	10P CONNECTOR	[M]	X102	RLFDGTD01I	FM REZONATOR	[M]
S975	EVQ21405R	TACK SWITCH	[M]	CP902	RJT003K010M1	10P CONNECTOR	[M]	X103	SVQ49U722T-S	CRYSTAL 7.2MHZ	[M]
S976	EVQ21405R	TACK SWITCH	[M]	CP903	RJT003K010M1	10P CONNECTOR	[M]	X351	RSXC14M3S01	X'TAL	[M]
S980	EVQ21405R	TACK SWITCH	[M]	CP904	RJT003K010M1	10P CONNECTOR	[M]				
S981	EVQ21405R	TACK SWITCH	[M]	CP905	RJT003K010M1	10P CONNECTOR	[M]	DISPLAY TUBE			
S982	EVQ21405R	TACK SWITCH	[M]	CP1001	RJT100W07	7P CONNECTOR	[M]				
S983	EVQ21405R	TACK SWITCH	[M]	CP1002	RJT100W07	7P CONNECTOR	[M]	FL901	RSL0233-F	FL	[M]
S984	EVQ21405R	TACK SWITCH	[M]								
S985	EVQ21405R	TACK SWITCH	[M]			COILS & TRANSFORMERS				EARTH TERMINAL	
S991	EVQ21405R	TACK SWITCH	[M]								
S992	EVQ21405R	TACK SWITCH	[M]	L1	RLQZP1R2JT-Y	RF CHOKE COIL	[M]	E401	SNE1004-2	EARTH TERMINAL	[M]
S993	EVQ21405R	TACK SWITCH	[M]	L2	RLQZPR47KT-Y	RF CHOKE COIL	[M]	E601	SNE1004-2	EARTH TERMINAL	[M]
S994	EVQ21405R	TACK SWITCH	[M]	L101	ELESN1R5MA	CHOKE COIL	[M]				
S995	EVQ21405R	TACK SWITCH	[M]	L103	ELEXT47MA9	CHOKE COIL	[M]	RELAYS			
S996	EVQ21405R	TACK SWITCH	[M]	L351	RLQB101KTA-Y	CHOKE COIL	[M]				
				L352	ELEXT330KA9	CHOKE COIL	[M]	RL601	RSY0013M-0	RELAY	[M]
		CONNECTORS		L501	RLQZP1R0KT-Y	AXIAL COIL	[M]	RL602	RSY0013M-0	RELAY	[M]
				L502	RLQZP1R0KT-Y	AXIAL COIL	[M]	RL603	RSY0013M-0	RELAY	[M]
CN101	RJU057W007	7P CONNECTOR	[M]	L601	RLQYR73M	CHOKE COIL	[M]	RL604	RSY0013M-0	RELAY	[M]
CN102	RJU057W007	7P CONNECTOR	[M]	L602	RLQYR73M	CHOKE COIL	[M]	RL751	RSY0019M-0	12V TV-5 RELAY	[M]
CN351	RJS7T6ZA	7PIN CONNECTOR	[M]	L651	RLQYR73M	CHOKE COIL	[M]				
CN401	RJU100W07	7P CONNECTOR	[M]	L652	RLQYR73M	CHOKE COIL	[M]	FUSES			
CN402	RJU100W07	7P CONNECTOR	[M]	L671	RLQYR73M	CHOKE COIL	[M]				
CN403	RJU100W07	7P CONNECTOR	[M]	L751	RLQB101KTA-Y	CHOKE COIL	[M]	F1	XBA1C80NBAL	FUSE	[M]
CN404	RJU100W07	7P CONNECTOR	[M]	L901	RLQB101KTA-Y	CHOKE COIL	[M]	F3	XBA1C80NBAL	FUSE	[M]
CN405	RJU100W07	7P CONNECTOR	[M]	L1051	RLQB101KTA-Y	CHOKE COIL	[M]	F4	XBA1C80NBAL	FUSE	[M]
CN501	RJU100W07	7P CONNECTOR	[M]	T701	RTP1Q5C011-V	TRANSFORMER	[M]				
CN502	RJU100W04	4P CONNECTOR	[M]	T751	RTP1H5C001-V	POWER TRANSFORMER	[M]	FUSE CLIPS			
CN751	SJS305-1	3P CONNECTOR	[M]								
CN752	RJS1A6603	3 PIN TAPING CONNECT	[M]			COMPONENT COMBINATION		FC701	EYF52BC	FUSE HOLDER	[M]
CN901	RJU003K010M1	10P B/B CONNECTOR	[M]					FC702	EYF52BC	FUSE HOLDER	[M]
CN902	RJU003K010M1	10P B/B CONNECTOR	[M]	Z101	RLA2Z002M-T	AM ANT. COIL	[M]	FC705	EYF52BC	FUSE HOLDER	[M]
CN903	RJU003K010M1	10P B/B CONNECTOR	[M]	Z102	RLI2Z006M-T	AM IFT	[M]	FC706	EYF52BC	FUSE HOLDER	[M]
CN904	RJU003K010M1	10P B/B CONNECTOR	[M]	Z751	ERZV10V511CS	ZNR	[M]	FC707	EYF52BC	FUSE HOLDER	[M]
CN905	RJU003K010M1	10P B/B CONNECTOR	[M]	Z891	RCDSPS4242N	REMOTE SENSOR	[M]	FC708	EYF52BC	FUSE HOLDER	[M]
CN1001	RJU100W07	7P CONNECTOR	[M]								
CN1002	RJU100W07	7P CONNECTOR	[M]			CERAMIC FILTERS				JACKS	
CP101	RJT057W007-1	7P CONNECTOR	[M]								
CP102	RJT057W007-1	7P CONNECTOR	[M]	CF201	RLFFETMGD01L	CERAMIC FILTER	[M]	JK101	RJH4405	ANT TERMINAL	[M]
CP353	RJP3G4YA	CONNECTOR	[M]	CF202	RLFFETMGD01L	CERAMIC FILTER	[M]	JK351	SJFD7-5	RCA TERMINAL	[M]
CP401	RJT100W07	7P CONNECTOR	[M]	CF901	RVBCST4R00MT	CERAMIC OSCILLATOR	[M]	JK352	SJFK5-2A	VCR IN	[M]
CP402	RJT100W07	7P CONNECTOR	[M]	CF1051	EF0EC8004T4	CERAMIC OSCILLATOR	[M]	JK353	SJF3069-3N	RCA PIN JACK	[M]
CP403	RJT100W07	7P CONNECTOR	[M]					JK354	SJF3069-16N	RCA TERMINAL	[M]
CP404	RJT100W07	7P CONNECTOR	[M]					JK401	SJF3068-7N	RCA TERMINAL	[M]
CP405	RJT100W07	7P CONNECTOR	[M]					JK402	SJF3069N	LINE IN JACK	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
JK403	SJF3069N	LINE IN JACK	[M]			WIRES				ACCESSORIES	
JK404	SJF3069N	LINE IN JACK	[M]								
JK405	SJFD7	FM MULTI OUT	[M]	W1	REE0769	WIRE UNIT	[M]	A1	RAK-SA925MK	REMOTE CONTROL	[M]
JK406	SJF3068-7N	RCA TERMINAL	[M]	W2	REE0770	WIRE UNIT	[M]	A1-1	RFKNAAX710PK	REMOTE CONTROL COVER	[M]
JK601	RJR0054	SP TERMINAL	[M]	W3	REE0771	WIRE UNIT	[M]	A2	RFKSAAX810PK	INSTR. MANUAL ASS'Y	[M]
JK602	RJH5601	SP TERMINAL	[M]	W353	REX0800	SHIELD WIRE	[M]	A3	RSA0006	FM ANTENNA WIRE	[M]
JK603	RJR0054	SP TERMINAL	[M]					A4	RSA0010	LOOP ANT UNIT	[M]
JK791	SJS9234B	AC INLET	[M] 			PACKING MATERIALS		A5	SJA172	AC CORD	[M] (SF) 
JK792	SJS9233B	AC OUTLET	[M] 								
JK793	SJS9233B	AC OUTLET	[M] 	P1	SPSD152	ACCESSORY BOX	[M]				
HP601	RJJ63TA01	HP JACK	[M]	P2	RPFX0005	MIRAMAT BAG	[M]				
				P3	RPG3354	PACKING CASE	[M]				
				P4	RPN0966	POLYFOAM	[M]				

Resistors & Capacitors

Notes : * Important safety notice:

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

* Capacitor values are in microfarad (μ F) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)

* Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
		RESISTORS									
R1	ERDS2TJ104T	100K 1/4W [M]	R119	ERDS2TJ822T	8.2K 1/4W [M]	R147	ERDS2TJ474T	470K 1/4W [M]	R336	ERDS2TJ332T	3.3K 1/4W [M]
R2	ERDS2TJ104T	100K 1/4W [M]	R120	ERDS2TJ473T	47K 1/4W [M]	R148	ERDS2TJ474T	470K 1/4W [M]	R337	ERDS2TJ332T	3.3K 1/4W [M]
R3	ERDS2TJ221T	220 1/4W [M]	R121	ERDS2TJ332T	3.3K 1/4W [M]	R149	ERDS2TJ680T	68 1/4W [M]	R338	ERDS2TJ332T	3.3K 1/4W [M]
R4	ERDS2TJ104T	100K 1/4W [M]	R122	ERDS2TJ272T	2.7K 1/4W [M]	R171	ERDS2TJ102T	1K 1/4W [M]	R339	ERDS2TJ332T	3.3K 1/4W [M]
R5	ERDS2TJ564T	560K 1/4W [M]	R124	ERDS2TJ271T	270 1/4W [M]	R172	ERDS2TJ102T	1K 1/4W [M]	R341	ERDS2TJ273T	27K 1/4W [M]
R6	ERDS2TJ391T	390 1/4W [M]	R125	ERDS2TJ472T	4.7K 1/4W [M]	R173	ERDS2TJ471T	470 1/4W [M]	R342	ERDS2TJ104T	100K 1/4W [M]
R7	ERDS2TJ272T	2.7K 1/4W [M]	R126	ERDS2TJ472T	4.7K 1/4W [M]	R175	ERDS2TJ102T	1K 1/4W [M]	R343	ERDS2TJ104T	100K 1/4W [M]
R8	ERDS2TJ684T	680K 1/4W [M]	R127	ERDS2TJ103T	10K 1/4W [M]	R176	ERDS2TJ391T	390 1/4W [M]	R344	ERDS2TJ104T	100K 1/4W [M]
R9	ERDS2TJ391T	390 1/4W [M]	R128	ERDS2TJ820T	82 1/4W [M]	R301	ERDS2TJ750T	75 1/4W [M]	R345	ERDS2TJ273T	27K 1/4W [M]
R10	ERDS2TJ391T	390 1/4W [M]	R129	ERDS2TJ473T	47K 1/4W [M]	R302	ERDS2TJ750T	75 1/4W [M]	R346	ERDS2TJ273T	27K 1/4W [M]
R11	ERDS2TJ684T	680K 1/4W [M]	R130	ERDS2TJ102T	1K 1/4W [M]	R303	ERDS2TJ750T	75 1/4W [M]	R347	ERDS2TJ104T	100K 1/4W [M]
R103	ERDS2TJ151T	150 1/4W [M]	R131	ERDS2TJ102T	1K 1/4W [M]	R304	ERDS2TJ750T	75 1/4W [M]	R348	ERDS2TJ104T	100K 1/4W [M]
R104	ERDS2TJ102T	1K 1/4W [M]	R132	ERDS2TJ103T	10K 1/4W [M]	R307	ERDS2TJ104T	100K 1/4W [M]	R349	ERDS2TJ104T	100K 1/4W [M]
R105	ERDS2TJ471T	470 1/4W [M]	R133	ERDS2TJ102T	1K 1/4W [M]	R308	ERDS2TJ472T	4.7K 1/4W [M]	R350	ERDS2TJ104T	100K 1/4W [M]
R106	ERDS2TJ224T	220K 1/4W [M]	R134	ERDS2TJ102T	1K 1/4W [M]	R309	ERDS2TJ332T	3.3K 1/4W [M]	R351	ERDS2TJ104T	100K 1/4W [M]
R107	ERDS2TJ471T	470 1/4W [M]	R135	ERDS2TJ102T	1K 1/4W [M]	R310	ERDS2TJ471T	470 1/4W [M]	R352	ERDS2TJ104T	100K 1/4W [M]
R110	ERDS2TJ102T	1K 1/4W [M]	R136	ERDS2TJ102T	1K 1/4W [M]	R311	ERDS2TJ750T	75 1/4W [M]	R359	ERDS2TJ750T	75 1/4W [M]
R112	ERDS2TJ104T	100K 1/4W [M]	R137	ERDS2TJ102T	1K 1/4W [M]	R314	ERDS2TJ221T	220 1/4W [M]	R362	ERDS2TJ750T	75 1/4W [M]
R113	ERDS2TJ103T	10K 1/4W [M]	R139	ERDS2TJ272T	2.7K 1/4W [M]	R320	ERDS2TJ103T	10K 1/4W [M]	R367	ERDS2TJ102T	1K 1/4W [M]
R114	ERDS2TJ562T	5.6K 1/4W [M]	R140	ERDS2TJ272T	2.7K 1/4W [M]	R321	ERDS2TJ470T	47 1/4W [M]	R368	ERDS2TJ102T	1K 1/4W [M]
R115	ERDS2TJ561T	560 1/4W [M]	R141	ERDS2TJ103T	10K 1/4W [M]	R324	ERDS2TJ103T	10K 1/4W [M]	R369	ERDS2TJ182T	1.8K 1/4W [M]
R116	ERDS2TJ102T	1K 1/4W [M]	R142	ERDS2TJ103T	10K 1/4W [M]	R328	ERDS2TJ471T	470 1/4W [M]	R370	ERDS2TJ182T	1.8K 1/4W [M]
R117	ERDS2TJ104T	100K 1/4W [M]	R143	ERDS2TJ222T	2.2K 1/4W [M]	R331	ERDS2TJ221T	220 1/4W [M]	R371	ERD2FCVG220T	22 1/4W [M]
R118	ERDS2TJ562T	5.6K 1/4W [M]	R144	ERDS2TJ222T	2.2K 1/4W [M]	R332	ERDS2TJ104T	100K 1/4W [M]	R372	ERD2FCVG220T	22 1/4W [M]
			R145	ERDS2TJ102T	1K 1/4W [M]	R333	ERDS2TJ101T	100 1/4W [M]	R373	ERDS2TJ103T	10K 1/4W [M]
			R146	ERDS2TJ102T	1K 1/4W [M]	R334	ERDS2TJ101T	100 1/4W [M]	R374	ERDS2TJ103T	10K 1/4W [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R375	ERDS2TJ103T	10K 1/4W [M]	R461	ERDS2TJ184T	180K 1/4W [M]	R528	ERDS2TJ122T	1.2K 1/4W [M]	R577	ERDS2TJ102T	1K 1/4W [M]
R401	ERDS2TJ102T	1K 1/4W [M]	R462	ERDS2TJ184T	180K 1/4W [M]	R529	ERDS2TJ273T	27K 1/4W [M]	R578	ERDS2TJ102T	1K 1/4W [M]
R402	ERDS2TJ102T	1K 1/4W [M]	R463	ERDS2TJ123T	12K 1/4W [M]	R530	ERDS2TJ273T	27K 1/4W [M]	R579	ERDS2TJ222T	2.2K 1/4W [M]
R405	ERDS2TJ102T	1K 1/4W [M]	R464	ERDS2TJ123T	12K 1/4W [M]	R531	ERDS2TJ332T	3.3K 1/4W [M]	R580	ERDS2TJ102T	1K 1/4W [M]
R406	ERDS2TJ102T	1K 1/4W [M]	R465	ERDS2TJ563T	56K 1/4W [M]	R532	ERDS2TJ332T	3.3K 1/4W [M]	R581	ERDS2TJ332T	3.3K 1/4W [M]
R407	ERDS2TJ102T	1K 1/4W [M]	R466	ERDS2TJ563T	56K 1/4W [M]	R533	ERDS2TJ473T	47K 1/4W [M]	R582	ERDS2TJ102T	1K 1/4W [M]
R408	ERDS2TJ102T	1K 1/4W [M]	R467	ERDS2TJ102T	1K 1/4W [M]	R534	ERDS2TJ473T	47K 1/4W [M]	R583	ERDS2TJ102T	1K 1/4W [M]
R409	ERDS2TJ102T	1K 1/4W [M]	R468	ERDS2TJ102T	1K 1/4W [M]	R535	ERDS2TJ392T	3.9K 1/4W [M]	R584	ERDS2TJ102T	1K 1/4W [M]
R410	ERDS2TJ102T	1K 1/4W [M]	R469	ERDS2TJ102T	1K 1/4W [M]	R536	ERDS2TJ392T	3.9K 1/4W [M]	R585	ERDS2TJ102T	1K 1/4W [M]
R411	ERDS2TJ102T	1K 1/4W [M]	R470	ERDS2TJ102T	1K 1/4W [M]	R537	ERDS2TJ103T	10K 1/4W [M]	R586	ERDS2TJ102T	1K 1/4W [M]
R412	ERDS2TJ102T	1K 1/4W [M]	R473	ERDS2TJ102T	1K 1/4W [M]	R538	ERDS2TJ103T	10K 1/4W [M]	R587	ERDS2TJ102T	1K 1/4W [M]
R413	ERDS2TJ102T	1K 1/4W [M]	R474	ERDS2TJ102T	1K 1/4W [M]	R539	ERDS2TJ272T	2.7K 1/4W [M]	R588	ERDS2TJ102T	1K 1/4W [M]
R414	ERDS2TJ102T	1K 1/4W [M]	R477	ERDS2TJ103T	10K 1/4W [M]	R540	ERDS2TJ272T	2.7K 1/4W [M]	R589	ERDS2TJ182T	1.8K 1/4W [M]
R415	ERDS2TJ102T	1K 1/4W [M]	R478	ERDS2TJ104T	100K 1/4W [M]	R541	ERDS2TJ682T	6.8K 1/4W [M]	R590	ERDS2TJ473T	47K 1/4W [M]
R416	ERDS2TJ102T	1K 1/4W [M]	R479	ERDS2TJ822T	8.2K 1/4W [M]	R542	ERDS2TJ682T	6.8K 1/4W [M]	R591	ERDS2TJ222T	2.2K 1/4W [M]
R417	ERDS2TJ473T	47K 1/4W [M]	R480	ERDS2TJ822T	8.2K 1/4W [M]	R543	ERDS2TJ102T	1K 1/4W [M]	R592	ERDS2TJ222T	2.2K 1/4W [M]
R418	ERDS2TJ473T	47K 1/4W [M]	R481	ERDS2TJ332T	3.3K 1/4W [M]	R544	ERDS2TJ102T	1K 1/4W [M]	R593	ERDS2TJ100T	10 1/4W [M]
R419	ERDS2TJ104T	100K 1/4W [M]	R483	ERDS2TJ822T	8.2K 1/4W [M]	R545	ERDS2TJ684T	680K 1/4W [M]	R594	ERDS2TJ103T	10K 1/4W [M]
R420	ERDS2TJ104T	100K 1/4W [M]	R484	ERDS2TJ104T	100K 1/4W [M]	R546	ERDS2TJ332T	3.3K 1/4W [M]	R595	ERDS2TJ473T	47K 1/4W [M]
R421	ERDS2TJ104T	100K 1/4W [M]	R485	ERDS2TJ224T	220K 1/4W [M]	R547	ERDS2TJ103T	10K 1/4W [M]	R596	ERDS2TJ102T	1K 1/4W [M]
R422	ERDS2TJ104T	100K 1/4W [M]	R487	ERDS2TJ472T	4.7K 1/4W [M]	R548	ERDS2TJ392T	3.9K 1/4W [M]	R597	ERDS2TJ272T	2.7K 1/4W [M]
R423	ERDS2TJ102T	1K 1/4W [M]	R501	ERDS2TJ222T	2.2K 1/4W [M]	R549	ERDS2TJ222T	2.2K 1/4W [M]	R598	ERDS2TJ272T	2.7K 1/4W [M]
R424	ERDS2TJ102T	1K 1/4W [M]	R502	ERDS2TJ222T	2.2K 1/4W [M]	R550	ERDS2TJ102T	1K 1/4W [M]	R599	ERDS2TJ102T	1K 1/4W [M]
R425	ERDS2TJ103T	10K 1/4W [M]	R503	ERDS2TJ103T	10K 1/4W [M]	R551	ERDS2TJ102T	1K 1/4W [M]	R600	ERDS2TJ102T	1K 1/4W [M]
R426	ERDS2TJ103T	10K 1/4W [M]	R504	ERDS2TJ103T	10K 1/4W [M]	R552	ERDS2TJ102T	1K 1/4W [M]	R601	ERDS2TJ102T	1K 1/4W [M]
R427	ERDS2TJ103T	10K 1/4W [M]	R505	ERDS2TJ103T	10K 1/4W [M]	R553	ERDS2TJ104T	100K 1/4W [M]	R602	ERDS2TJ102T	1K 1/4W [M]
R428	ERDS2TJ332T	3.3K 1/4W [M]	R506	ERDS2TJ103T	10K 1/4W [M]	R554	ERDS2TJ104T	100K 1/4W [M]	R603	ERDS2TJ563T	56K 1/4W [M]
R429	ERDS2TJ102T	1K 1/4W [M]	R507	ERDS2TJ153T	15K 1/4W [M]	R555	ERDS2TJ223T	22K 1/4W [M]	R604	ERDS2TJ563T	56K 1/4W [M]
R430	ERDS2TJ102T	1K 1/4W [M]	R508	ERDS1FVJ2R2T	2.2 1/2W [M] 	R556	ERDS2TJ223T	22K 1/4W [M]	R605	ERDS2TJ182T	1.8K 1/4W [M]
R431	ERDS2TJ224T	220K 1/4W [M]	R509	ERDS2TJ103T	10K 1/4W [M]	R557	ERDS2TJ471T	470 1/4W [M]	R606	ERDS2TJ182T	1.8K 1/4W [M]
R432	ERDS2TJ224T	220K 1/4W [M]	R510	ERDS2TJ103T	10K 1/4W [M]	R558	ERDS2TJ471T	470 1/4W [M]	R607	ERDS2TJ563T	56K 1/4W [M]
R433	ERDS2TJ102T	1K 1/4W [M]	R511	ERDS2TJ471T	470 1/4W [M]	R559	ERDS2TJ222T	2.2K 1/4W [M]	R608	ERDS2TJ563T	56K 1/4W [M]
R434	ERDS2TJ102T	1K 1/4W [M]	R512	ERDS2TJ471T	470 1/4W [M]	R560	ERDS2TJ222T	2.2K 1/4W [M]	R609	ERDS2TJ470T	47 1/4W [M]
R435	ERDS2TJ473T	47K 1/4W [M]	R513	ERDS2TJ474T	470K 1/4W [M]	R561	ERDS2TJ102T	1K 1/4W [M]	R610	ERDS2TJ470T	47 1/4W [M]
R440	ERDS1FVJ560T	56 1/2W [M] 	R514	ERDS2TJ474T	470K 1/4W [M]	R562	ERDS2TJ102T	1K 1/4W [M]	R611	ERDS1FVJ100T	10 1/2W [M] 
R441	ERDS2TJ473T	47K 1/4W [M]	R515	ERDS2TJ474T	470K 1/4W [M]	R563	ERDS2TJ104T	100K 1/4W [M]	R612	ERDS1FVJ100T	10 1/2W [M]
R442	ERDS2TJ473T	47K 1/4W [M]	R516	ERDS2TJ474T	470K 1/4W [M]	R564	ERDS2TJ104T	100K 1/4W [M]	R613	ERDS2TJ102T	1K 1/4W [M]
R443	ERDS1FVJ560T	56 1/2W [M] 	R517	ERDS2TJ332T	3.3K 1/4W [M]	R565	ERDS2TJ223T	22K 1/4W [M]	R614	ERDS2TJ102T	1K 1/4W [M]
R451	ERDS2TJ224T	220K 1/4W [M]	R518	ERDS2TJ332T	3.3K 1/4W [M]	R567	ERDS2TJ471T	470 1/4W [M]	R615	ERDS2TJ184T	180K 1/4W [M]
R452	ERDS2TJ224T	220K 1/4W [M]	R519	ERDS2TJ182T	1.8K 1/4W [M]	R568	ERDS2TJ221T	220 1/4W [M]	R616	ERDS2TJ154T	150K 1/4W [M]
R453	ERDS2TJ821T	820 1/4W [M]	R520	ERDS2TJ182T	1.8K 1/4W [M]	R569	ERDS2TJ332T	3.3K 1/4W [M]	R617	ERDS2TJ473T	47K 1/4W [M]
R454	ERDS2TJ821T	820 1/4W [M]	R521	ERDS2TJ223T	22K 1/4W [M]	R570	ERDS2TJ332T	3.3K 1/4W [M]	R618	ERDS2TJ473T	47K 1/4W [M]
R455	ERDS2TJ563T	56K 1/4W [M]	R522	ERDS2TJ223T	22K 1/4W [M]	R571	ERDS2TJ222T	2.2K 1/4W [M]	R619	ERDS2TJ223T	22K 1/4W [M]
R456	ERDS2TJ563T	56K 1/4W [M]	R523	ERDS2TJ392T	3.9K 1/4W [M]	R572	ERDS2TJ222T	2.2K 1/4W [M]	R620	ERD25FVJ220T	22 1/4W [M]
R457	ERDS2TJ271T	270 1/4W [M]	R524	ERDS2TJ392T	3.9K 1/4W [M]	R573	ERDS2TJ102T	1K 1/4W [M]	R621	ERD25FVJ680T	68 1/4W [M]
R458	ERDS2TJ271T	270 1/4W [M]	R525	ERDS2TJ222T	2.2K 1/4W [M]	R574	ERDS2TJ102T	1K 1/4W [M]	R622	ERD25FVJ680T	68 1/4W [M]
R459	ERDS2TJ680T	68 1/4W [M]	R526	ERDS2TJ222T	2.2K 1/4W [M]	R575	ERDS2TJ102T	1K 1/4W [M]	R623	ERDS2TJ104T	100K 1/4W [M]
R460	ERDS2TJ680T	68 1/4W [M]	R527	ERDS2TJ122T	1.2K 1/4W [M]	R576	ERDS2TJ102T	1K 1/4W [M]	R624	ERDS2TJ563T	56K 1/4W [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R625	ERDS2TJ563T	56K 1/4W [M]	R674	ERDS1FVJ100T	10 1/2W[M] 	R754	ERDS2TJ102T	1K 1/4W [M]	R944	ERDS2TJ104T	100K 1/4W [M]
R626	ERDS2TJ332T	3.3K 1/4W [M]	R675	ERDS2TJ102T	1K 1/4W [M]	R771	ERDS2TJ473T	47K 1/4W [M]	R945	ERDS2TJ104T	100K 1/4W [M]
R627	ERDS2TJ155T	1.5M 1/4W [M]	R676	ERD25FVJ151T	150 1/4W [M]	R772	ERDS2TJ473T	47K 1/4W [M]	R946	ERDS2TJ103T	10K 1/4W [M]
R628	ERDS2TJ223T	22K 1/4W [M]	R678	ERDS2TJ184T	180K 1/4W [M]	R773	ERDS2TJ103T	10K 1/4W [M]	R947	ERDS2TJ103T	10K 1/4W [M]
R629	ERDS2TJ682T	6.8K 1/4W [M]	R679	ERD25FVJ151T	150 1/4W [M]	R774	ERDS2TJ335T	3.3M 1/4W [M]	R948	ERDS2TJ103T	10K 1/4W [M]
R630	ERDS2TJ682T	6.8K 1/4W [M]	R680	ERDS2TJ221T	220 1/4W [M]	R775	ERDS2TJ331T	330 1/4W [M]	R949	ERDS2TJ103T	10K 1/4W [M]
R631	ERDS2TJ123T	12K 1/4W [M]	R681	ERDS2TJ270T	27 1/4W [M]	R776	ERDS1FVJ4R7T	4.7 1/2W [M] 	R950	ERDS2TJ102T	1K 1/4W [M]
R632	ERDS2TJ472T	4.7K 1/4W [M]	R682	ERDS2TJ270T	27 1/4W [M]	R777	ERDS2TJ224T	220K 1/4W [M]	R951	ERDS2TJ122T	1.2K 1/4W [M]
R633	ERDS2TJ123T	12K 1/4W [M]	R683	ERDS2TJ270T	27 1/4W [M]	R778	ERDS2TJ472T	4.7K 1/4W [M]	R952	ERDS2TJ152T	1.5K 1/4W [M]
R634	ERDS2TJ472T	4.7K 1/4W [M]	R684	ERDS2TJ270T	27 1/4W [M]	R779	ERDS2TJ103T	10K 1/4W [M]	R953	ERDS2TJ182T	1.8K 1/4W [M]
R635	ERD25FVJ151T	150 1/4W [M]	R685	ERDS2TJ270T	27 1/4W [M]	R782	ERDS2TJ470T	47 1/4W [M]	R954	ERDS2TJ222T	2.2K 1/4W [M]
R636	ERD25FVJ151T	150 1/4W [M]	R686	ERDS2TJ270T	27 1/4W [M]	R783	ERDS2TJ103T	10K 1/4W [M]	R955	ERDS2TJ332T	3.3K 1/4W [M]
R637	ERG1SJ101E	100 1W [M] 	R687	ERDS2TJ270T	27 1/4W [M]	R784	ERDS2TJ154T	150K 1/4W [M]	R956	ERDS2TJ472T	4.7K 1/4W [M]
R638	ERG1SJ101E	100 1W [M] 	R688	ERDS2TJ270T	27 1/4W [M]	R785	ERDS2TJ103T	10K 1/4W [M]	R957	ERDS2TJ682T	6.8K 1/4W [M]
R639	ERG1SJ101E	100 1W [M] 	R689	ERDS2TJ270T	27 1/4W [M]	R786	ERDS2TJ154T	150K 1/4W [M]	R958	ERDS2TJ123T	12K 1/4W [M]
R640	ERG1SJ101E	100 1W [M] 	R690	ERDS2TJ270T	27 1/4W [M]	R791	ERDS2TJ223T	22K 1/4W [M]	R960	ERDS2TJ102T	1K 1/4W [M]
R641	ERDS2TJ332T	3.3K 1/4W [M]	R691	ERDS2TJ270T	27 1/4W [M]	R792	ERDS2TJ223T	22K 1/4W [M]	R961	ERDS2TJ122T	1.2K 1/4W [M]
R642	ERDS2TJ104T	100K 1/4W [M]	R692	ERDS2TJ270T	27 1/4W [M]	R793	ERDS2TJ223T	22K 1/4W [M]	R962	ERDS2TJ152T	1.5K 1/4W [M]
R643	ERDS2TJ393T	39K 1/4W [M]	R693	ERDS2TJ270T	27 1/4W [M]	R794	ERDS2TJ223T	22K 1/4W [M]	R963	ERDS2TJ182T	1.8K 1/4W [M]
R645	ERD2FCVG220T	22 1/4W [M]	R694	ERDS2TJ270T	27 1/4W [M]	R795	ERDS2TJ223T	22K 1/4W [M]	R964	ERDS2TJ222T	2.2K 1/4W [M]
R646	ERD2FCVG220T	22 1/4W [M]	R695	ERDS2TJ102T	1K 1/4W [M]	R796	ERDS2TJ223T	22K 1/4W [M]	R965	ERDS2TJ332T	3.3K 1/4W [M]
R647	ERDS2TJ221T	220 1/4W [M]	R696	ERDS2TJ102T	1K 1/4W [M]	R797	ERDS2TJ682T	6.8K 1/4W [M]	R970	ERDS2TJ102T	1K 1/4W [M]
R648	ERDS2TJ221T	220 1/4W [M]	R697	ERDS2TJ221T	220 1/4W [M]	R798	ERDS2TJ223T	22K 1/4W [M]	R971	ERDS2TJ122T	1.2K 1/4W [M]
R649	ERD25FVJ680T	68 1/4W [M]	R698	ERDS2TJ221T	220 1/4W [M]	R799	ERDS2TJ682T	6.8K 1/4W [M]	R972	ERDS2TJ152T	1.5K 1/4W [M]
R650	ERD25FVJ680T	68 1/4W [M]	R699	ERDS2TJ332T	3.3K 1/4W [M]	R901	ERDS2TJ102T	1K 1/4W [M]	R973	ERDS2TJ182T	1.8K 1/4W [M]
R651	ERDS2TJ102T	1K 1/4W [M]	R703	ERDS1FVJ3R9T	3.9 1/2W [M] 	R906	ERDS2TJ104T	100K 1/4W [M]	R974	ERDS2TJ222T	2.2K 1/4W [M]
R652	ERDS2TJ102T	1K 1/4W [M]	R704	ERDS1FVJ3R9T	3.9 1/2W [M] 	R907	ERDS2TJ104T	100K 1/4W [M]	R975	ERDS2TJ332T	3.3K 1/4W [M]
R653	ERDS2TJ563T	56K 1/4W [M]	R705	ERDS2TJ472T	4.7K 1/4W [M]	R908	ERDS2TJ104T	100K 1/4W [M]	R976	ERDS2TJ472T	4.7K 1/4W [M]
R654	ERDS2TJ563T	56K 1/4W [M]	R706	ERDS2TJ102T	1K 1/4W [M]	R909	ERDS2TJ104T	100K 1/4W [M]	R980	ERDS2TJ102T	1K 1/4W [M]
R655	ERDS2TJ182T	1.8K 1/4W [M]	R707	ERD25FVJ221T	220 1/4W [M]	R910	ERDS2TJ102T	1K 1/4W [M]	R981	ERDS2TJ122T	1.2K 1/4W [M]
R656	ERDS2TJ182T	1.8K 1/4W [M]	R708	ERDS2TJ152T	1.5K 1/4W [M]	R911	ERDS2TJ104T	100K 1/4W [M]	R982	ERDS2TJ152T	1.5K 1/4W [M]
R657	ERDS2TJ563T	56K 1/4W [M]	R709	ERDS2TJ1R5T	1.5 1/4W [M]	R913	ERDS2TJ103T	10K 1/4W [M]	R983	ERDS2TJ182T	1.8K 1/4W [M]
R658	ERDS2TJ563T	56K 1/4W [M]	R710	ERDS2TJ1R5T	1.5 1/4W [M]	R917	ERDS2TJ103T	10K 1/4W [M]	R984	ERDS2TJ222T	2.2K 1/4W [M]
R659	ERDS2TJ470T	47 1/4W [M]	R711	ERDS2TJ752T	7.5K 1/4W [M]	R920	ERDS2TJ271T	270 1/4W [M]	R990	ERDS2TJ153T	15K 1/4W [M]
R660	ERDS2TJ470T	47 1/4W [M]	R712	ERDS2TJ682T	6.8K 1/4W [M]	R921	ERDS2TJ121T	120 1/4W [M]	R1001	ERDS2TJ102T	1K 1/4W [M]
R661	ERDS1FVJ100T	10 1/2W [M] 	R713	ERDS2TJ390T	39 1/4W [M]	R922	ERDS2TJ472T	4.7K 1/4W [M]	R1002	ERDS2TJ102T	1K 1/4W [M]
R662	ERDS1FVJ100T	10 1/2W [M] 	R714	ERDS2TJ390T	39 1/4W [M]	R926	ERDS2TJ121T	120 1/4W [M]	R1003	ERDS2TJ102T	1K 1/4W [M]
R663	ERDS2TJ102T	1K 1/4W [M]	R721	ERDS1FVJ561T	560 1/2W [M] 	R928	ERDS2TJ121T	120 1/4W [M]	R1004	ERDS2TJ102T	1K 1/4W [M]
R664	ERDS2TJ102T	1K 1/4W [M]	R722	ERDS2TJ123T	12K 1/4W [M]	R929	ERDS2TJ101T	100 1/4W [M]	R1005	ERDS2TJ203T	20K 1/4W [M]
R665	ERDS2TJ184T	180K 1/4W [M]	R723	ERDS1FVJ100T	10 1/2W[M] 	R930	ERDS2TJ101T	100 1/4W [M]	R1007	ERDS2TJ473T	47K 1/4W [M]
R666	ERDS2TJ154T	150K 1/4W [M]	R724	ERDS1FVJ100T	10 1/2W[M] 	R931	ERDS2TJ151T	150 1/4W [M]	R1008	ERDS2TJ473T	47K 1/4W [M]
R667	ERDS2TJ102T	1K 1/4W [M]	R725	ERDS2TJ821T	820 1/4W [M]	R932	ERDS2TJ151T	150 1/4W [M]	R1009	ERDS2TJ332T	3.3K 1/4W [M]
R668	ERDS2TJ563T	56K 1/4W [M]	R726	ERD25FVJ331T	330 1/4W [M]	R933	ERDS2TJ151T	150 1/4W [M]	R1010	ERDS2TJ332T	3.3K 1/4W [M]
R669	ERDS2TJ182T	1.8K 1/4W [M]	R727	ERD25FVJ331T	330 1/4W [M]	R934	ERDS2TJ151T	150 1/4W [M]	R1011	ERDS2TJ332T	3.3K 1/4W [M]
R670	ERDS2TJ563T	56K 1/4W [M]	R729	ERDS2TJ684T	680K 1/4W [M]	R935	ERDS2TJ151T	150 1/4W [M]	R1012	ERDS2TJ102T	1K 1/4W [M]
R671	ERD25FVJ680T	68 1/4W [M]	R730	ERDS1FVJ5R6T	5.6 1/2W [M]	R936	ERDS2TJ104T	100K 1/4W [M]	R1013	ERDS2TJ103T	10K 1/4W [M]
R672	ERD25FVJ680T	68 1/4W [M]	R732	ERDS1FVJ150T	15 1/2W [M] 	R937	ERDS2TJ104T	100K 1/4W [M]	R1014	ERDS2TJ104T	100K 1/4W [M]
R673	ERDS2TJ470T	47 1/4W [M]	R751	ERC12ZGK335D	3.3M 1/2W [M] 	R943	ERDS2TJ102T	1K 1/4W [M]	R1051	ERDS2TJ393T	39K 1/4W [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R1052	ERDS2TJ105T	1M 1/4W [M]	C120	ECEA1HKA010B	1 50V [M]	C336	ECBT1H220JC5	22P 50V [M]	C455	ECBT1H102KB5	1000P 50V [M]
R1053	ERDS2TJ102T	1K 1/4W [M]	C121	ECEA1HKA010B	1 50V [M]	C337	ECBT1H220JC5	22P 50V [M]	C456	ECBT1H102KB5	1000P 50V [M]
R1055	ERDS2TJ224T	220K 1/4W [M]	C122	ECEA1HKA2R2B	2.2 50V [M]	C338	ECBT1H101KB5	100P 50V [M]	C457	ECEA1AKA330B	33 10V [M]
R1056	ERDS2TJ153T	15K 1/4W [M]	C123	ECEA1HKA010B	1 50V [M]	C339	ECBT1H101KB5	100P 50V [M]	C458	ECEA1AKA330B	33 10V [M]
R1057	ERDS2TJ822T	8.2K 1/4W [M]	C124	ECBT1H102KB5	1000P 50V [M]	C340	ECBT1H101KB5	100P 50V [M]	C459	ECFR1E223KR	0.022 25V [M]
R1058	ERDS2TJ222T	2.2K 1/4W [M]	C125	ECBT1H150JC5	15P 50V [M]	C341	ECEA0JKA101B	100 6.3V [M]	C460	ECFR1E223KR	0.022 25V [M]
R1061	ERDS2TJ222T	2.2K 1/4W [M]	C126	ECBT1H104ZF5	0.1 50V [M]	C342	ECBT1E103ZF5	0.01 25V [M]	C461	ECFR1E682KR	6800P 25V [M]
R1062	ERDS2TJ273T	27K 1/4W [M]	C127	ECEA1CKA220B	22 16V [M]	C351	ECEA0JKA101B	100 6.3V [M]	C462	ECFR1E682KR	6800P 25V [M]
R1063	ERDS2TJ332T	3.3K 1/4W [M]	C128	ECBT1C103NS5	0.01 16V [M]	C352	ECEA0JKA101B	100 6.3V [M]	C463	ECEA1HKA4R7B	4.7 50V [M]
R1151	ERDS2TJ473T	47K 1/4W [M]	C129	ECEA0JKA101B	100 6.3V [M]	C354	ECBT1H104ZF5	0.1 50V [M]	C464	ECEA1HKA4R7B	4.7 50V [M]
R1152	ERDS2TJ473T	47K 1/4W [M]	C130	ECEA0JKA101B	100 6.3V [M]	C355	ECBT1H104ZF5	0.1 50V [M]	C465	ECBT1E103ZF5	0.01 25V [M]
R1154	ERDS2TJ273T	27K 1/4W [M]	C131	ECBT1C103NS5	0.01 16V [M]	C357	ECBT1E103ZF5	0.01 25V [M]	C466	ECBT1E103ZF5	0.01 25V [M]
R1155	ERDS2TJ393T	39K 1/4W [M]	C132	ECBT1H102KB5	1000P 50V [M]	C358	ECBT1E103ZF5	0.01 25V [M]	C471	ECEA1VKA4R7B	4.7 10V [M]
R1156	ERDS2TJ393T	39K 1/4W [M]	C133	ECBT1H150JC5	15P 50V [M]	C373	ECEA1CKA470B	47 16V [M]	C472	ECEA1VKA4R7B	4.7 10V [M]
R1158	ERDS2TJ104T	100K 1/4W [M]	C134	ECBT1H180JC5	18P 50V [M]	C374	ECEA1CKA470B	47 16V [M]	C473	ECBT1E103ZF5	0.01 25V [M]
R1160	ERDS2TJ104T	100K 1/4W [M]	C137	ECBT1H271KB5	270P 50V [M]	C375	ECEA1CKA470B	47 16V [M]	C474	ECBT1E103ZF5	0.01 25V [M]
			C138	ECBT1H271KB5	270P 50V [M]	C381	ECEA1HKA3R3B	3.3 50V [M]	C475	ECBT1H101KB5	100P 50V [M]
			C141	ECEA1HKA010B	1 50V [M]	C382	ECEA1HKA3R3B	3.3 50V [M]	C480	ECBT1E103ZF5	0.01 25V [M]
		CAPACITORS	C142	ECEA1HKA010B	1 50V [M]	C383	ECEA1HKA3R3B	3.3 50V [M]	C482	ECEA1HKA4R7B	4.7 50V [M]
			C143	ECEA1HKA010B	1 50V [M]	C384	ECEA1HKA3R3B	3.3 50V [M]	C484	ECEA1HKA4R7B	4.7 50V [M]
C1	ECBT1H5R6KC5	5.6P 50V [M]	C144	ECEA1HKA010B	1 50V [M]	C385	ECEA1HKA3R3B	3.3 50V [M]	C501	ECFR1E333KR	0.033 25V [M]
C2	RCBS1H102KBY	1000P 50V [M]	C145	ECBT1H220JC5	22P 50V [M]	C386	ECEA1HKA3R3B	3.3 50V [M]	C502	ECFR1E333KR	0.033 25V [M]
C3	ECBT1H2R2KC5	2.2P 50V [M]	C146	ECBT1H331KB5	330P 50V [M]	C387	ECEA1HKA3R3B	3.3 50V [M]	C503	ECEA0JKA101B	100 6.3V [M]
C4	ECBT1H181KB5	180P 50V [M]	C147	ECBT1H102KB5	1000P 50V [M]	C388	ECEA1HKA3R3B	3.3 50V [M]	C504	ECEA0JKA101B	100 6.3V [M]
C5	ECBT1H5R6KC5	5.6P 50V [M]	C148	ECBT1C103NS5	0.01 16V [M]	C401	ECEA1VKA4R7B	4.7 10V [M]	C505	ECFR1C104MR	0.1 16V [M]
C6	ECBT1H3R3KC5	3.3P 50V [M]	C149	ECBT1C103NS5	0.01 16V [M]	C402	ECEA1VKA4R7B	4.7 10V [M]	C506	ECFR1C104MR	0.1 16V [M]
C7	ECBT1H4R7KC5	4.7P 50V [M]	C150	ECBT1H104ZF5	0.1 50V [M]	C403	ECBT1E103ZF5	0.01 25V [M]	C507	ECBT1E103ZF5	0.01 25V [M]
C8	ECBT1H3R3KC5	3.3P 50V [M]	C172	ECBT1H331KB5	330P 50V [M]	C404	ECBT1E103ZF5	0.01 25V [M]	C511	ECEA1HKA3R3B	3.3 50V [M]
C9	ECBT1H2R2KC5	2.2P 50V [M]	C173	ECEA1CKA220B	22 16V [M]	C405	ECBT1H101KB5	100P 50V [M]	C512	ECEA1HKA3R3B	3.3 50V [M]
C10	ECBT1H180JC5	18P 50V [M]	C174	ECEA1CKA100B	10 16V [M]	C406	ECBT1H101KB5	100P 50V [M]	C513	ECBT1H150J5	15P 50V [M]
C11	RCBS1H102KBY	1000P 50V [M]	C175	ECBT1C103NS5	0.01 16V [M]	C409	ECA1EM220B	22 25V [M]	C514	ECBT1H150J5	15P 50V [M]
C101	ECBT1C103NS5	0.01 16V [M]	C196	ECBT1H102KB5	1000P 50V [M]	C410	ECA1EM220B	22 25V [M]	C515	ECBT1H221KB5	220P 50V [M]
C103	ECBT1C103NS5	0.01 16V [M]	C301	ECEA1HKA3R3B	3.3 50V [M]	C411	ECBT1H101KB5	100P 50V [M]	C516	ECBT1H221KB5	220P 50V [M]
C104	ECBT1H102KB5	1000P 50V [M]	C302	ECEA0JKA330B	33 6.3V [M]	C412	ECBT1H101KB5	100P 50V [M]	C517	ECBT1H330J5	33P 50V [M]
C105	ECBT1H102KB5	1000P 50V [M]	C304	ECBT1H470J5	47P 50V [M]	C413	ECA1CM100B	10 16V [M]	C518	ECBT1H330J5	33P 50V [M]
C106	ECBT1C103NS5	0.01 16V [M]	C305	ECA0JM471B	470 6.3V [M]	C414	ECA1CM100B	10 16V [M]	C519	ECEA1VKA4R7B	4.7 10V [M]
C107	ECBT1H473ZF5	0.047 50V [M]	C308	ECEA0JKA101B	100 6.3V [M]	C415	ECBT1E103ZF5	0.01 25V [M]	C520	ECEA1VKA4R7B	4.7 10V [M]
C108	ECBT1H8R2KC5	8.2P 50V [M]	C309	ECEA0JKA101B	100 6.3V [M]	C416	ECBT1E103ZF5	0.01 25V [M]	C521	ECEA1VKA4R7B	4.7 10V [M]
C109	ECBT1C103NS5	0.01 16V [M]	C310	ECBT1E103ZF5	0.01 25V [M]	C428	ECEA1HKA3R3B	3.3 50V [M]	C522	ECEA1VKA4R7B	4.7 10V [M]
C110	ECBT1C103NS5	0.01 16V [M]	C311	ECEA1EKA4R7B	4.7 25V [M]	C429	ECBT1H101KB5	100P 50V [M]	C523	ECFR1E123KR	0.012 25V [M]
C111	ECEA1EKA4R7B	4.7 25V [M]	C312	ECEA1EKA4R7B	4.7 25V [M]	C430	ECBT1H101KB5	100P 50V [M]	C524	ECFR1E123KR	0.012 25V [M]
C112	ECBT1C103NS5	0.01 16V [M]	C329	ECBT1H470J5	47P 50V [M]	C431	ECA1CM100B	10 16V [M]	C525	ECQV1H683JM3	0.068 50V [M]
C113	ECBT1H102KB5	1000P 50V [M]	C330	ECBT1H470J5	47P 50V [M]	C432	ECA1CM100B	10 16V [M]	C526	ECQV1H683JM3	0.068 50V [M]
C114	ECEA1HKA3R3B	3.3 50V [M]	C331	ECBT1C122KR5	1200P 16V [M]	C440	ECBT1E103ZF5	0.01 25V [M]	C527	ECBT1C562KR5	5600P 16V [M]
C115	ECEA1EKA4R7B	4.7 25V [M]	C332	ECEA1HKA010B	1 50V [M]	C451	ECEA1HKA4R7B	4.7 50V [M]	C528	ECBT1C562KR5	5600P 16V [M]
C116	ECBT1C822MS5	8200P 16V [M]	C333	ECEA1HKA010B	1 50V [M]	C452	ECEA1HKA4R7B	4.7 50V [M]	C529	ECQB1H273JF3	0.027 50V [M]
C117	ECQB1H821JF3	820P 50V [M]	C334	ECBT1H270J5	27P 50V [M]	C453	ECBT1H101KB5	100P 50V [M]	C530	ECQB1H273JF3	0.027 50V [M]
C118	ECFR1E183KR	0.018 25V [M]	C335	ECBT1H220GC5	22P 50V [M]	C454	ECBT1H101KB5	100P 50V [M]	C531	ECBT1E103ZF5	0.01 25V [M]
C119	ECFR1E183KR	0.018 25V [M]									

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C532	ECBT1E103ZF5	0.01 25V [M]	C619	ECBT1H102KB5	1000P 50V [M]	C721	ECQE2104KF3	0.1 250V [M]	C1011	ECEA1CKA100B	10 16V [M]
C533	ECEA1CKA100B	10 16V [M]	C621	ECEA2AU100B	10 100V [M]	C751	ECKWNS102MBM	0.001 400V [M]	C1012	ECEA1CKA100B	10 16V [M]
C534	ECEA1CKA100B	10 16V [M]	C622	ECEA2AU100B	10 100V [M]	C752	ECKR1H103ZF5	0.01 50V [M]	C1013	ECEA1CKA100B	10 16V [M]
C535	ECBT1H104ZF5	0.1 50V [M]	C639	ECKR1H122KB5	1200P 50V [M]	C753	ECA1EM102B	1000 25V [M]	C1014	ECEA0JU221B	220 6.3V [M]
C536	ECBT1E103ZF5	0.01 25V [M]	C640	ECKR1H122KB5	1200P 50V [M]	C754	ECBT1E103ZF5	0.01 25V [M]	C1015	ECQV1H104JM3	0.1 50V [M]
C537	ECEA1CKA100B	10 16V [M]	C649	ECEA2AU100B	10 100V [M]	C755	ECEA1CKA470B	47 16V [M]	C1016	ECQV1H104JM3	0.1 50V [M]
C538	ECEA1CKA100B	10 16V [M]	C650	ECEA2AU100B	10 100V [M]	C757	ECEA1CKA100B	10 16V [M]	C1017	ECEA1HKAR47B	0.47 50V [M]
C539	ECEA1CKA100B	10 16V [M]	C651	ECEA1HKN3R3B	3.3 50V [M]	C758	ECEA1AKA101B	100 10V [M]	C1018	ECEA1HKA4R7B	4.7 50V [M]
C541	ECEA1CKA470B	47 16V [M]	C652	ECEA1HKN3R3B	3.3 50V [M]	C771	ECEA1HKA4R7B	4.7 50V [M]	C1019	ECEA1HKAR47B	0.47 50V [M]
C542	ECEA1CKA470B	47 16V [M]	C653	ECBT1H681KB5	680P 50V [M]	C772	ECEA1HKA4R7B	4.7 50V [M]	C1020	ECEA1HKA4R7B	4.7 50V [M]
C551	ECEA1HKA3R3B	3.3 50V [M]	C654	ECBT1H681KB5	680P 50V [M]	C773	ECBT1E223ZF5	0.022 25V [M]	C1021	ECEA1HKAR15B	0.15 50V [M]
C552	ECEA1HKA3R3B	3.3 50V [M]	C655	ECA1JM330B	33 6.3V [M]	C774	ECA0JM101B	01 6.3V [M]	C1022	ECEA1HKA3R3B	3.3 50V [M]
C553	ECBT1H101KB5	100P 50V [M]	C656	ECA1JM330B	33 6.3V [M]	C775	ECFR1E223KR	0.022 25V [M]	C1023	ECQV1H154JM3	0.15 50V [M]
C554	ECBT1H101KB5	100P 50V [M]	C657	ECCR1H100K5	10P 50V [M]	C901	ECA0JM102B	02 6.3V [M]	C1024	ECQV1H154JM3	0.15 50V [M]
C555	ECBT1H221KB5	220P 50V [M]	C658	ECCR1H100K5	10P 50V [M]	C902	ECBT1H104ZF5	0.1 50V [M]	C1025	ECEA1HKA3R3B	3.3 50V [M]
C556	ECBT1H221KB5	220P 50V [M]	C659	ECBT1H221KB5	220P 50V [M]	C903	ECBT1E103ZF5	0.01 25V [M]	C1026	ECEA1HKAR15B	0.15 50V [M]
C557	ECBT1E103ZF5	0.01 25V [M]	C660	ECBT1H221KB5	220P 50V [M]	C904	ECA0JM102B	02 6.3V [M]	C1027	ECEA1HKA4R7B	4.7 50V [M]
C558	ECBT1E103ZF5	0.01 25V [M]	C661	ECQV1H473JM3	0.047 50V [M]	C906	ECEA0JKA101B	100 6.3V [M]	C1028	ECEA1HKAR47B	0.47 50V [M]
C559	ECEA1CKA100B	10 16V [M]	C662	ECQV1H473JM3	0.047 50V [M]	C908	ECBT1E103ZF5	0.01 25V [M]	C1029	ECEA1HKA4R7B	4.7 50V [M]
C560	ECEA1CKA100B	10 16V [M]	C663	ECBT1H681KB5	680P 50V [M]	C909	ECEA1VKA220B	22 10V [M]	C1030	ECEA1HKAR47B	0.47 50V [M]
C561	ECEA1HKA3R3B	3.3 50V [M]	C664	ECBT1H681KB5	680P 50V [M]	C910	ECEA1VKA220B	22 10V [M]	C1031	ECQV1H104JM3	0.1 50V [M]
C562	ECEA1HKA3R3B	3.3 50V [M]	C667	ECEA1HKN3R3B	3.3 50V [M]	C911	ECEA1VKA220B	22 10V [M]	C1032	ECQV1H104JM3	0.1 50V [M]
C563	ECBT1H101KB5	100P 50V [M]	C668	ECBT1H681KB5	680P 50V [M]	C912	ECEA1VKA220B	22 10V [M]	C1033	ECEA0JKA470B	47 6.3V [M]
C565	ECBT1H221KB5	220P 50V [M]	C669	ECA1JM330B	33 6.3V [M]	C913	ECEA1VKA100B	10 10V [M]	C1034	ECQV1H474JM3	0.47 50V [M]
C567	ECBT1E103ZF5	0.01 25V [M]	C670	ECCR1H100K5	10P 50V [M]	C914	ECEA1VKA100B	10 10V [M]	C1035	ECBT1H681KB5	680P 50V [M]
C568	ECBT1E103ZF5	0.01 25V [M]	C671	ECEA2AU100B	10 100V [M]	C916	ECEA1HKA010B	1 50V [M]	C1036	ECBT1H101KB5	100P 50V [M]
C581	ECEA0JKA101B	100 6.3V [M]	C672	ECEA2AU100B	10 100V [M]	C919	ECBT1E103ZF5	0.01 25V [M]	C1037	ECBT1H101KB5	100P 50V [M]
C582	ECEA0JKA101B	100 6.3V [M]	C674	ECQV1H473JM3	0.047 50V [M]	C920	ECEA1HKA010B	1 50V [M]	C1038	ECBT1H101KB5	100P 50V [M]
C583	ECEA0JKA101B	100 6.3V [M]	C675	ECBT1H681KB5	680P 50V [M]	C932	ECBT1H101KB5	100P 50V [M]	C1039	ECEA1CU101B	100 16V [M]
C584	ECEA0JKA101B	100 6.3V [M]	C680	ECBT1H221KB5	220P 50V [M]	C933	ECBT1H101KB5	100P 50V [M]	C1040	ECEA1CKA100B	10 16V [M]
C601	ECEA1HKN3R3B	3.3 50V [M]	C681	ECEA1HN100SB	10 50V [M]	C934	ECBT1H101KB5	100P 50V [M]	C1041	ECBT1E103ZF5	0.01 25V [M]
C602	ECEA1HKN3R3B	3.3 50V [M]	C682	ECEA1HN100SB	10 50V [M]	C937	ECBT1H101KB5	100P 50V [M]	C1051	ECEA1HKA2R2B	2.2 50V [M]
C603	ECBT1H681KB5	680P 50V [M]	C685	ECBT1E103ZF5	0.01 25V [M]	C941	ECBT1H101KB5	100P 50V [M]	C1052	ECEA1HKAR33B	0.33 50V [M]
C604	ECBT1H681KB5	680P 50V [M]	C701	ECBT1E103ZF5	0.01 25V [M]	C948	ECBT1H101KB5	100P 50V [M]	C1053	ECEA1HKA3R3B	3.3 50V [M]
C605	ECA1JM330B	33 6.3V [M]	C702	ECQE2104KF3	0.1 250V [M]	C949	ECBT1H101KB5	100P 50V [M]	C1054	ECEA0JU221B	220 6.3V [M]
C606	ECA1JM330B	33 6.3V [M]	C703	ECES1KV752UX	7500 100V [M]	C951	ECBT1H101KB5	100P 50V [M]	C1055	ECEA1HKAR47B	0.47 50V [M]
C607	ECCR1H100K5	10P 50V [M]	C704	ECES1KV752UX	7500 100V [M]	C953	ECBT1H101KB5	100P 50V [M]	C1056	ECFR1E823KR	0.082 25V [M]
C608	ECCR1H100K5	10P 50V [M]	C705	EC0S1VP562BB	5600P 10V [M]	C955	ECBT1H101KB5	100P 50V [M]	C1057	ECFR1E332KR	3300P 25V [M]
C609	ECBT1H221KB5	220P 50V [M]	C706	EC0S1VP562BB	5600P 10V [M]	C956	ECBT1H101KB5	100P 50V [M]	C1058	ECFR1E823KR	0.082 25V [M]
C610	ECBT1H221KB5	220P 50V [M]	C707	ECA1VM101B	100 10V [M]	C1001	ECEA1HKA010B	1 50V [M]	C1059	ECEA1CKA101B	100 16V [M]
C611	ECQV1H473JM3	0.047 50V [M]	C708	ECKR1H103ZF5	0.01 50V [M]	C1002	ECEA1HKA010B	1 50V [M]	C1060	ECBT1E223ZF5	0.022 25V [M]
C612	ECQV1H473JM3	0.047 50V [M]	C709	ECEA1CKA330B	33 16V [M]	C1003	ECEA1HKA3R3B	3.3 50V [M]	C1062	ECBT1E223ZF5	0.022 25V [M]
C613	ECBT1H681KB5	680P 50V [M]	C710	ECBT1E103ZF5	0.01 25V [M]	C1004	ECEA1HKA3R3B	3.3 50V [M]	C1063	ECEA1CKA101B	100 16V [M]
C614	ECBT1H681KB5	680P 50V [M]	C711	ECKR1H103ZF5	0.01 50V [M]	C1005	ECEA1HKA010B	1 50V [M]	C1064	ECEA1HKA010B	1 50V [M]
C615	ECA1JM330B	33 6.3V [M]	C712	ECEA1HKA100B	10 50V [M]	C1007	ECFR1E223KR	0.022 25V [M]	C1065	ECBT1H681KB5	680P 50V [M]
C616	ECEA2AU100B	10 100V [M]	C713	ECKR1H103ZF5	0.01 50V [M]	C1008	ECFR1E473KR	0.047 25V [M]	C1067	ECBT1C152KR5	1500P 16V [M]
C617	ECEA1JU220B	22 63V [M]	C714	ECEA1EKA470B	47 25V [M]	C1009	ECEA0JU221B	220 6.3V [M]	C1068	ECBT1C152KR5	1500P 16V [M]
C618	ECEA2AN2R2SB	2.2 100V [M]	C715	ECEA1CKA101B	100 16V [M]	C1010	ECEA1CKA100B	10 16V [M]	C1069	ECEA1HKA010B	1 50V [M]

[illegible]

■ Packaging

ACCESSORY

P1 (SPSD152)	: ACCESSORY BOX
A1 (RAK-SA925MK)	: REMOTE CONTROL UNIT
A2 (RFKSAAX810PK)	: INSTR. MANUAL ASS'Y
A3 (RSA0006)	: FM ANTENNA
A4 (RSA0010)	: AM LOOP ANT
A5 (SJA172)	: AC CORD

